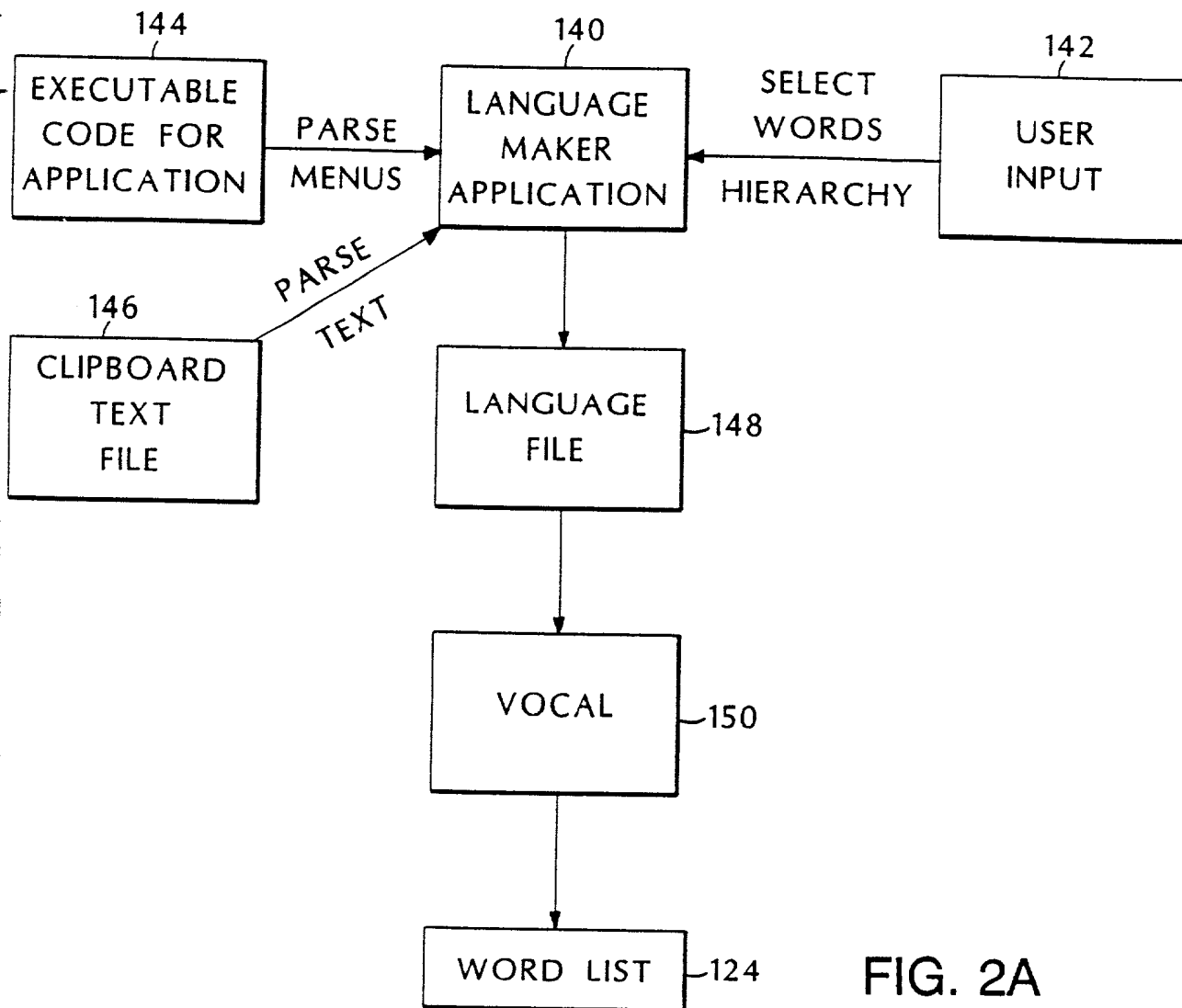


FIG. 1



The diagram illustrates a data structure for processing utterances. It consists of a table with three columns: **UTTERANCE**, **UTTERANCE NAME**, and **COMMAND STRING**. The table is labeled with a reference numeral 122. The first column, **UTTERANCE**, contains the strings "immortalize" and "palatino", followed by a vertical ellipsis. The second column, **UTTERANCE NAME**, contains the strings "save file" and "palatino", followed by a vertical ellipsis. The third column, **COMMAND STRING**, contains the strings "@MENU (file, 2)" and "@MENU (font, 1)", followed by a vertical ellipsis. Arrows indicate data flow: an arrow labeled 147 points from the "immortalize" entry to the "save file" entry; an arrow labeled 149 points from the "palatino" entry to the "palatino" entry; and an arrow labeled 151 points from the "@MENU (font, 1)" entry to the "@MENU (font, 1)" entry. The table is also labeled with a reference numeral 124.

UTTERANCE	UTTERANCE NAME	COMMAND STRING
"immortalize"	save file	@MENU (file, 2)
"palatino"	palatino	@MENU (font, 1)
⋮	⋮	⋮

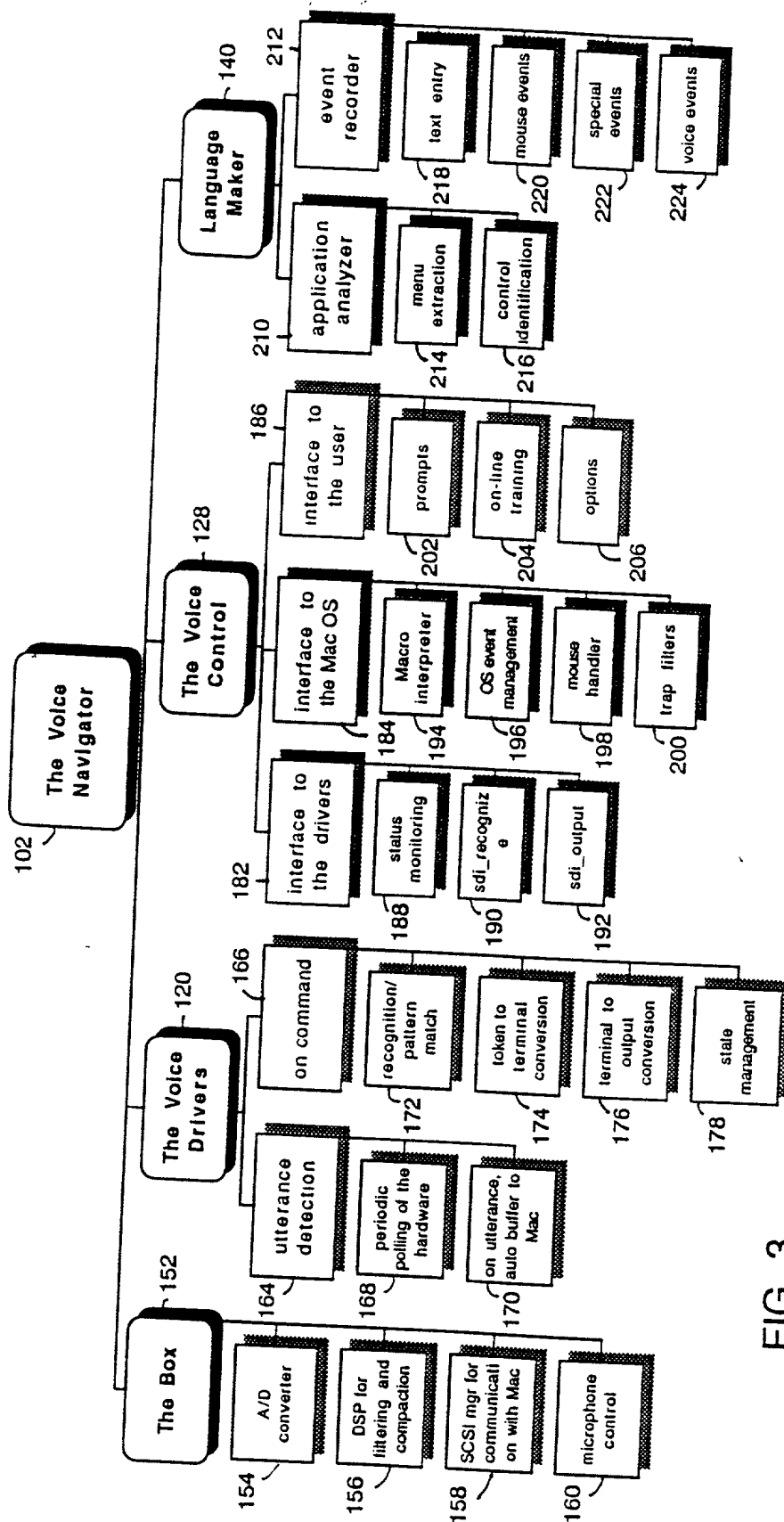


FIG. 3

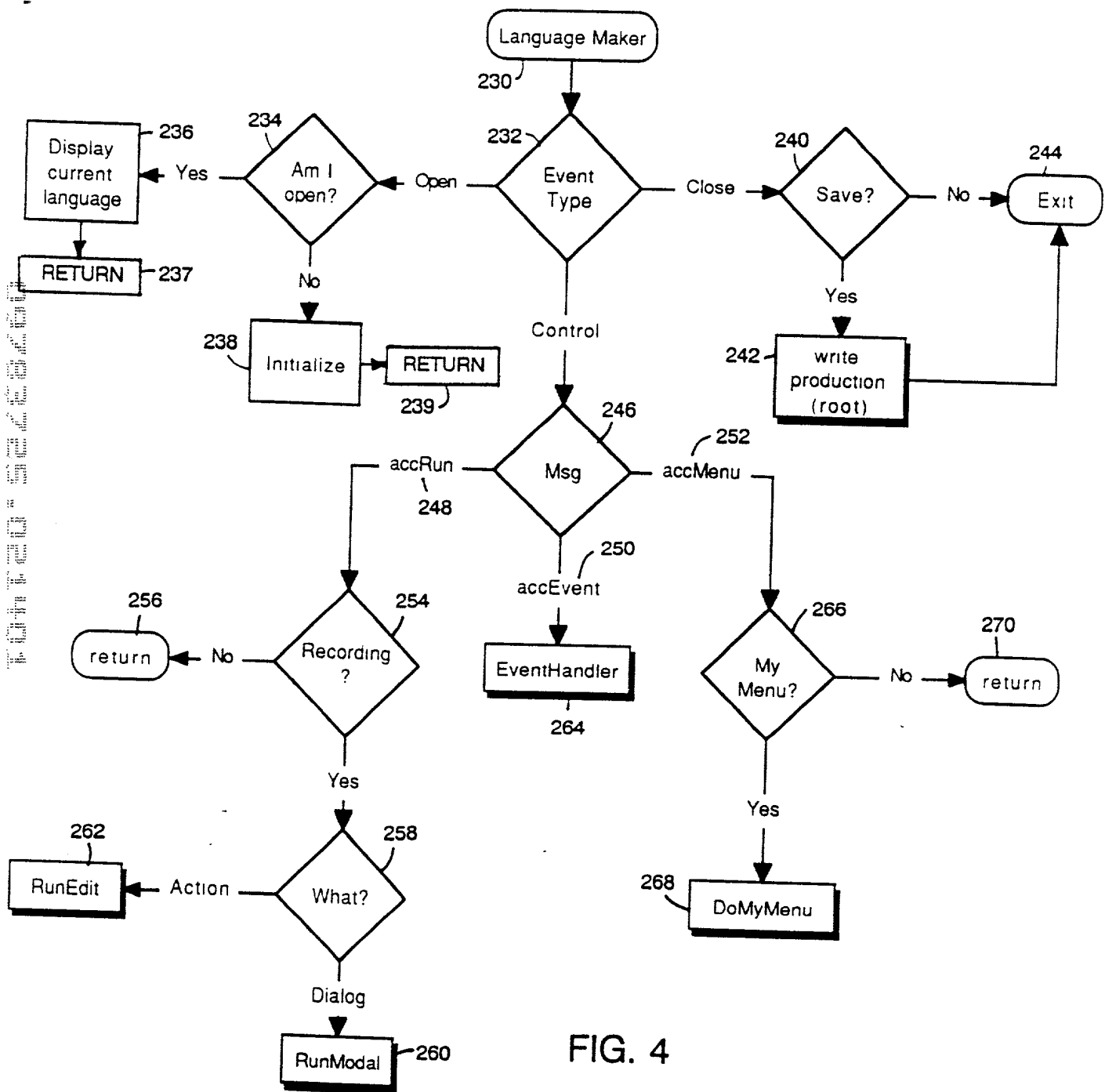


FIG. 4

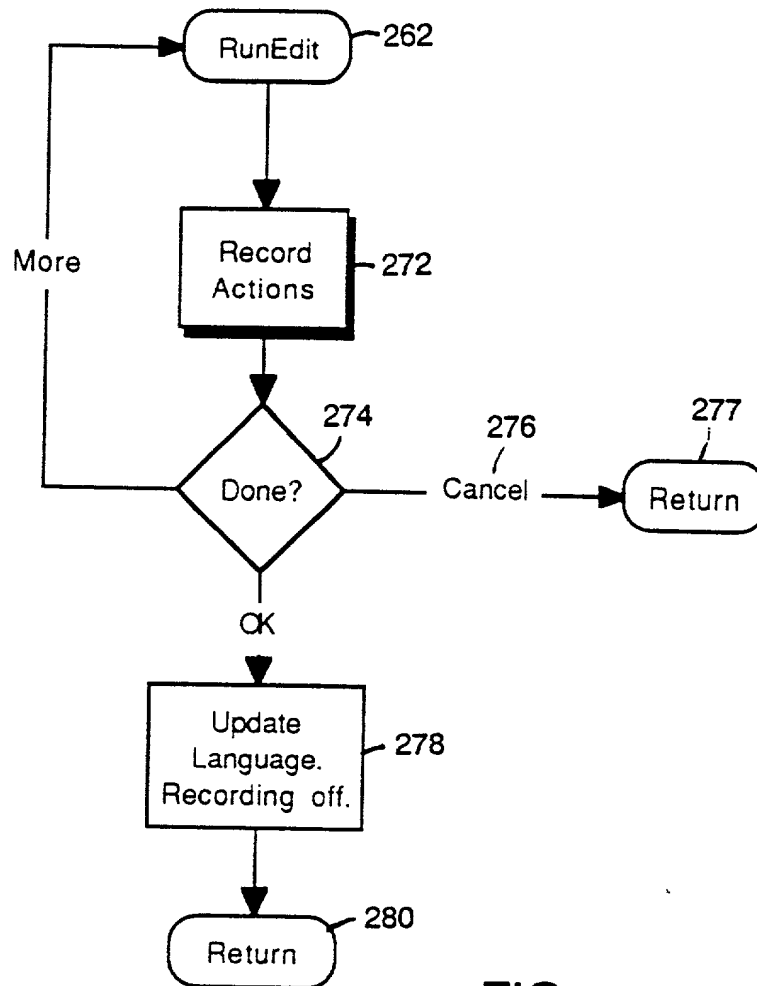


FIG. 5

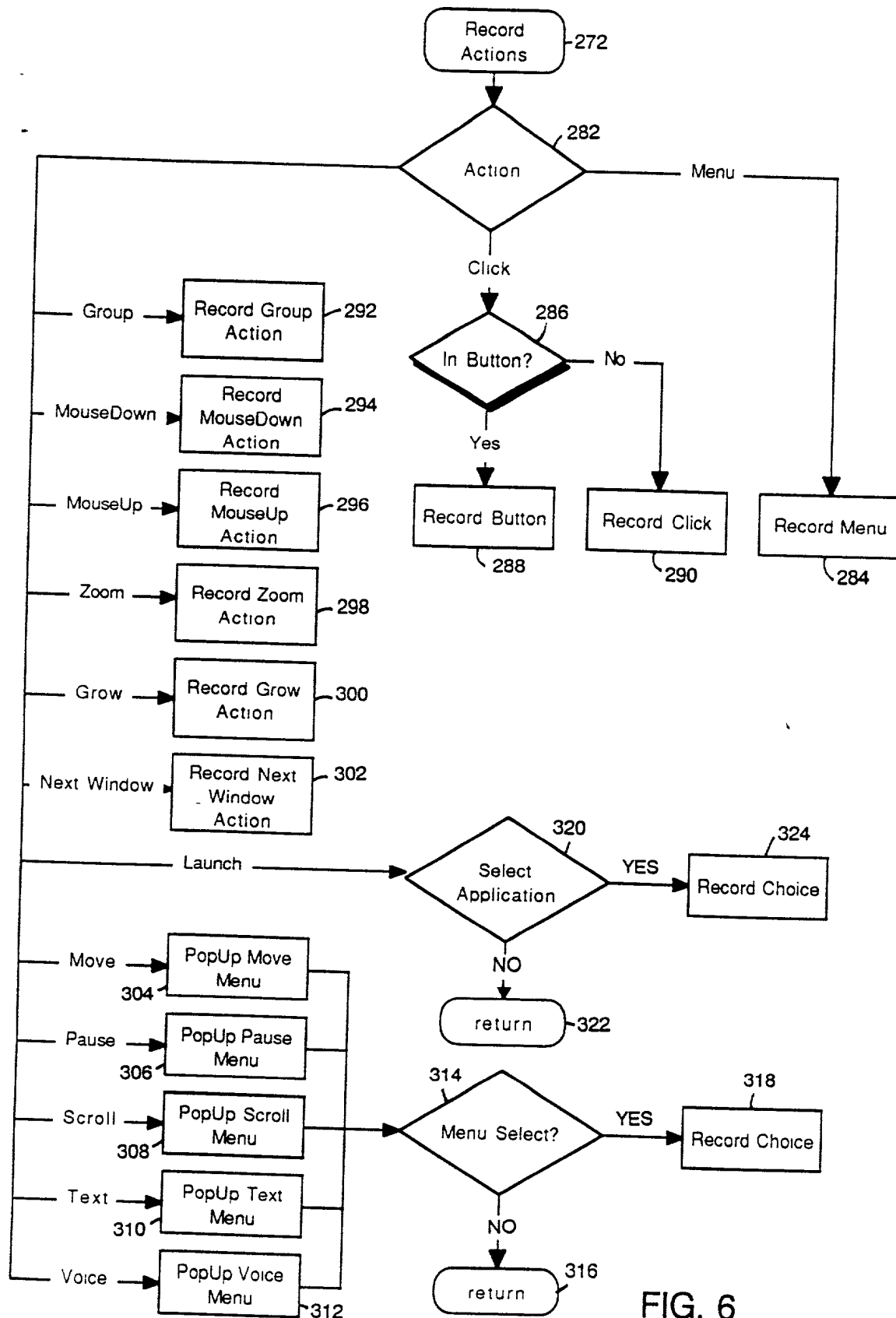


FIG. 6

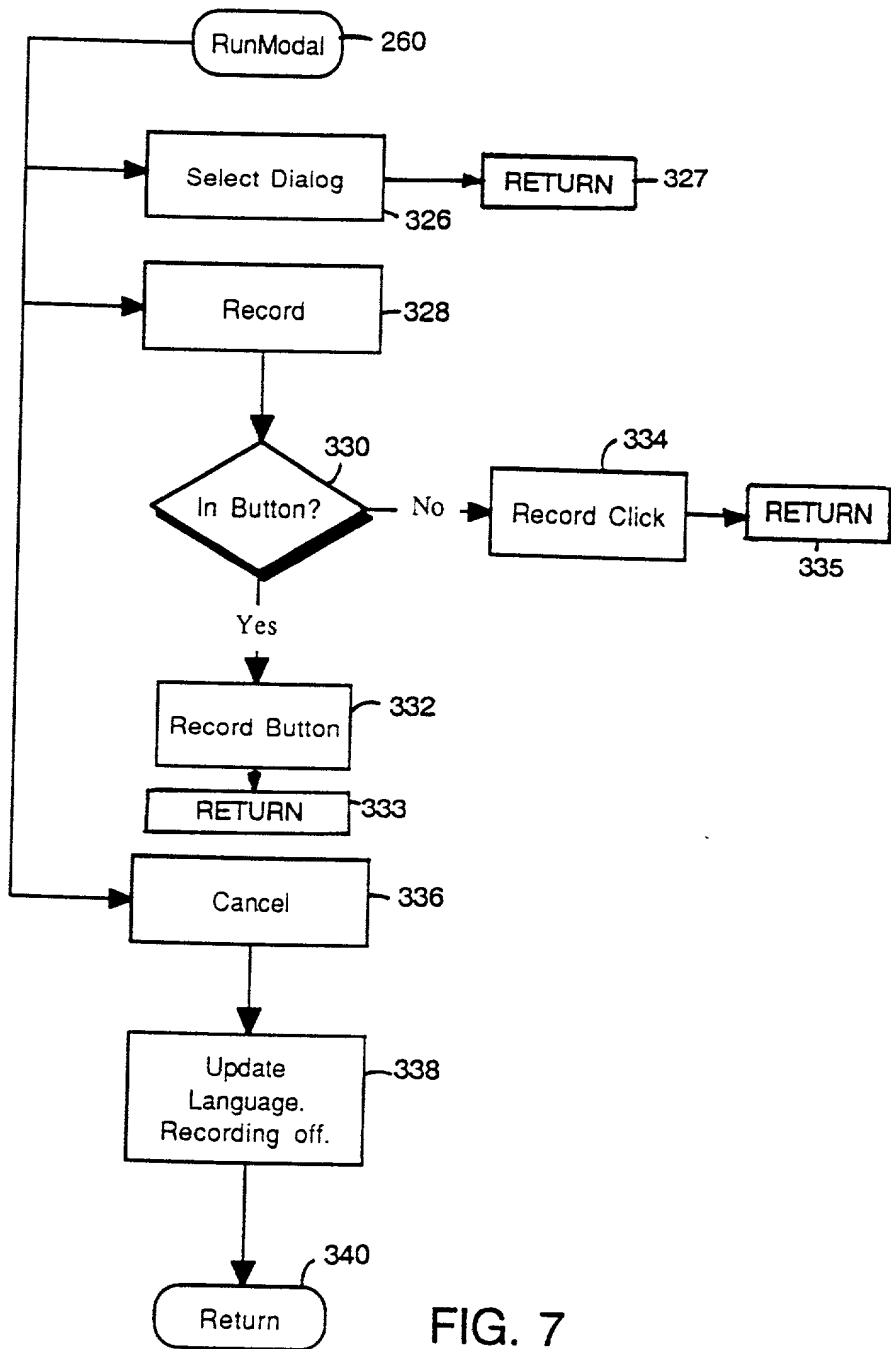


FIG. 7

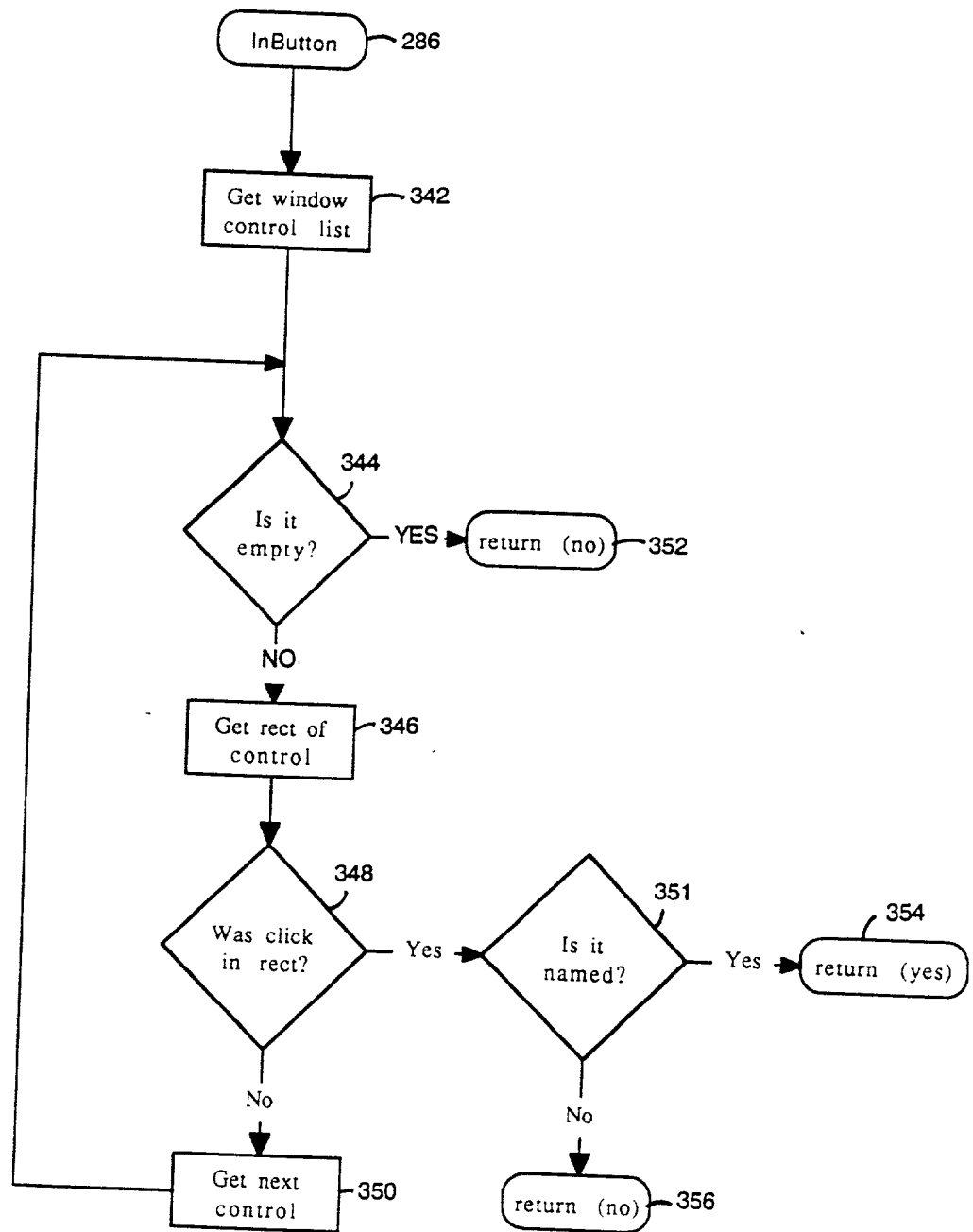


FIG. 8



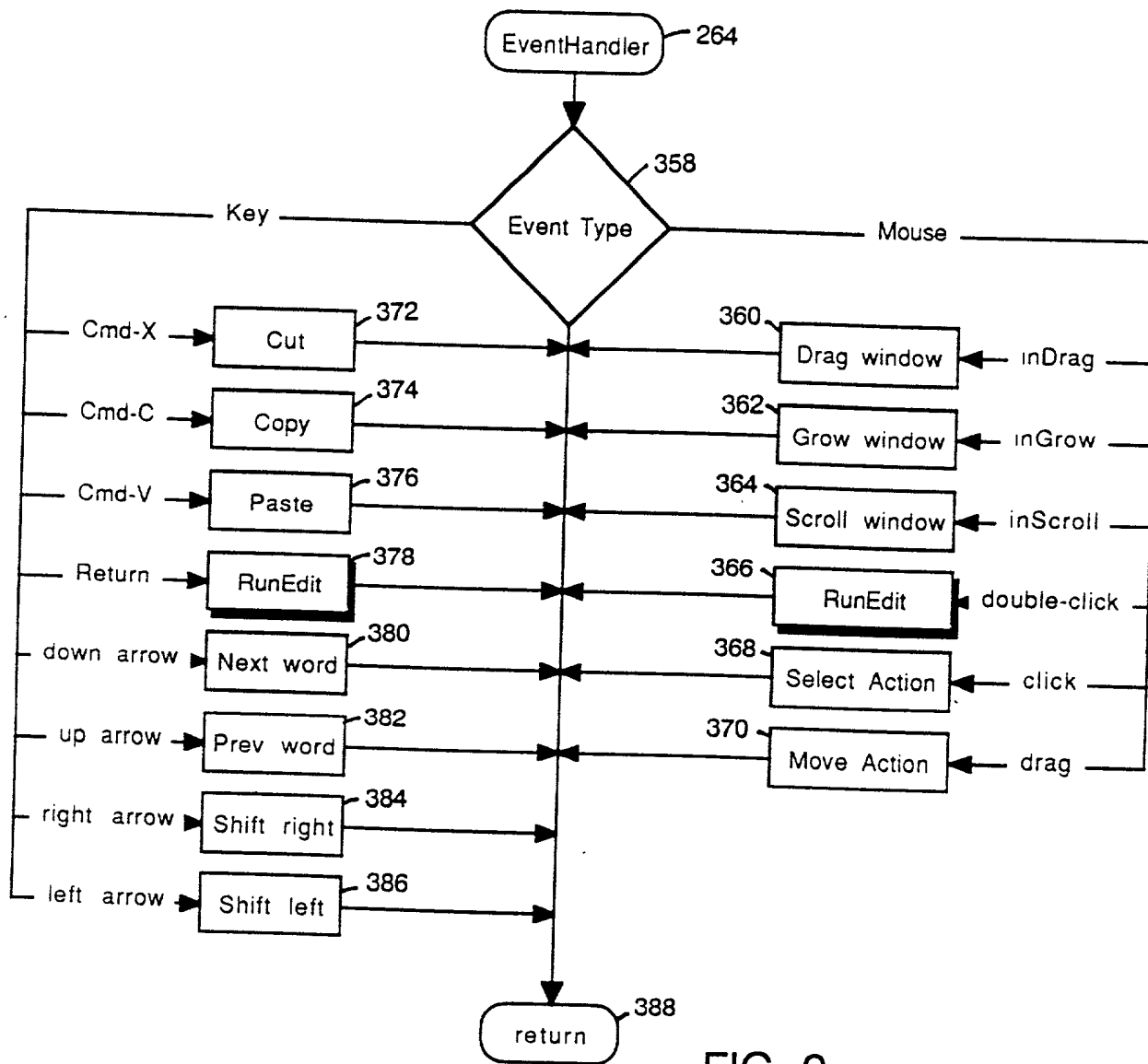


FIG. 9

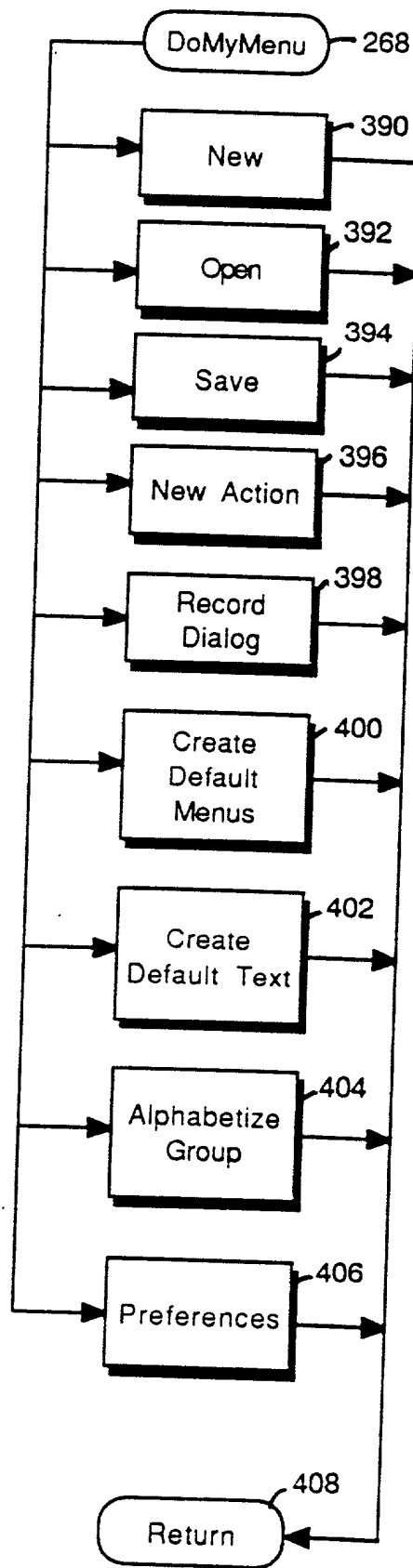


FIG. 10

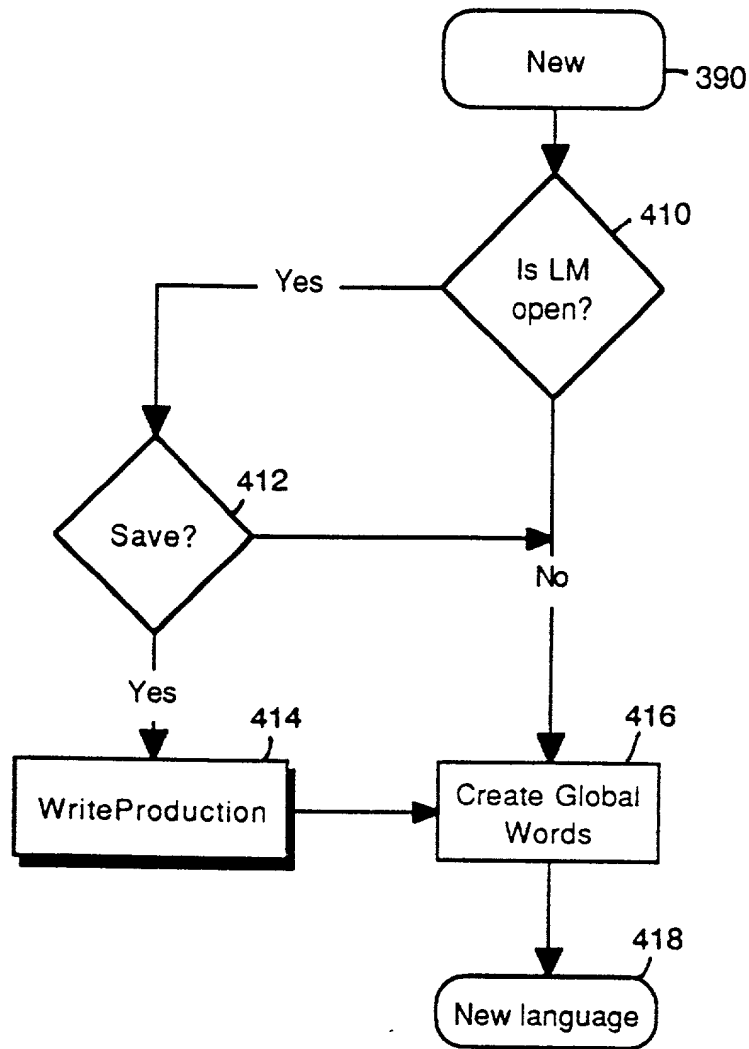


FIG. 11A

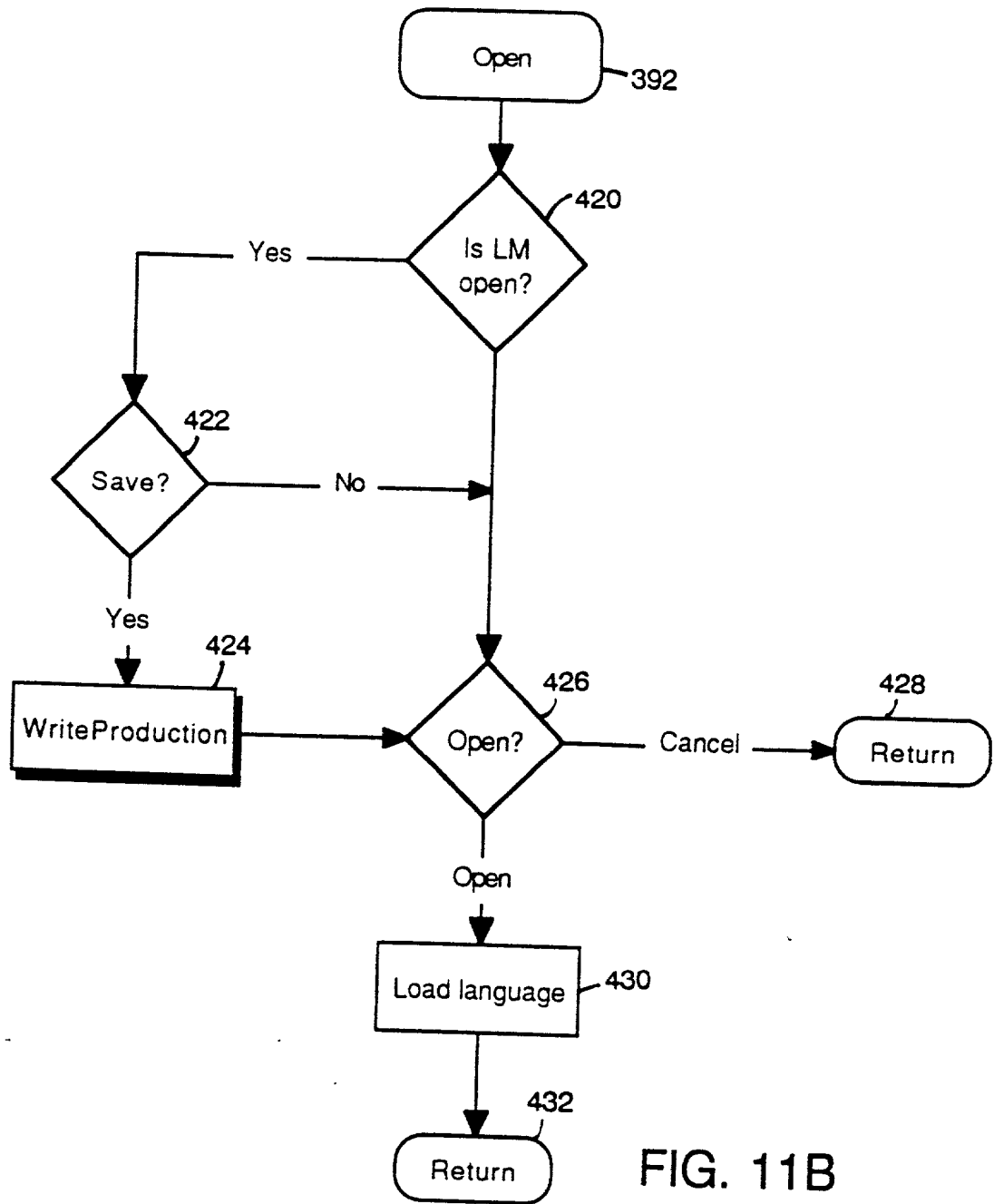


FIG. 11B

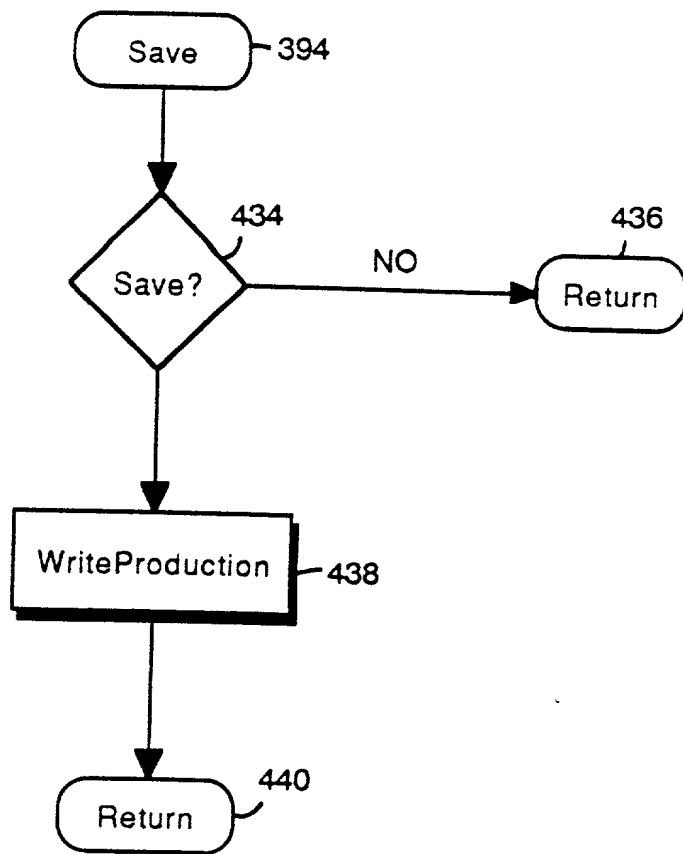


FIG. 11C

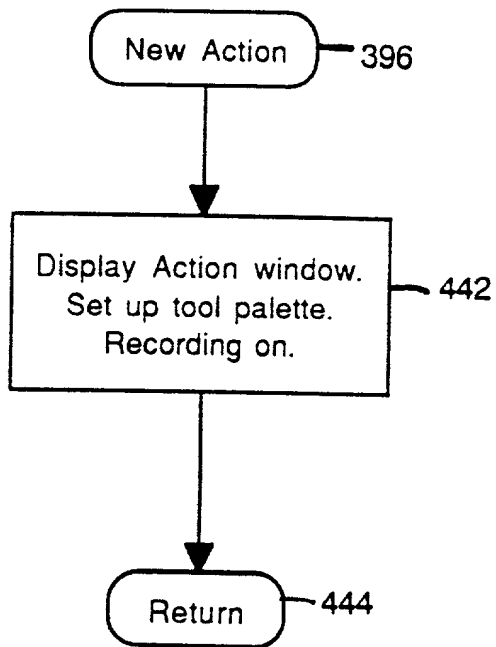


FIG. 11D

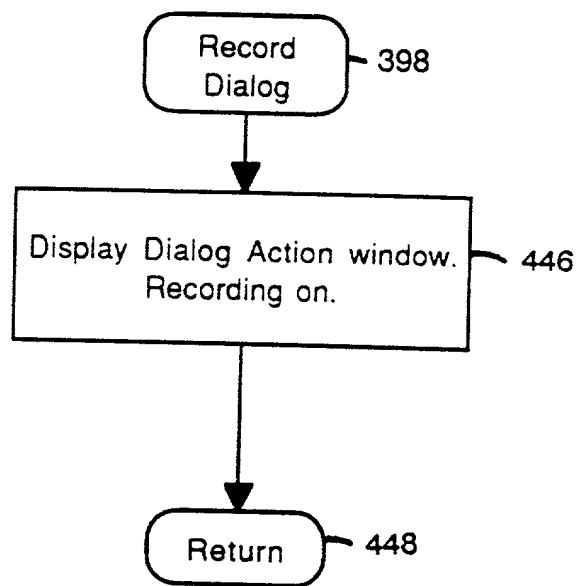


FIG. 11E

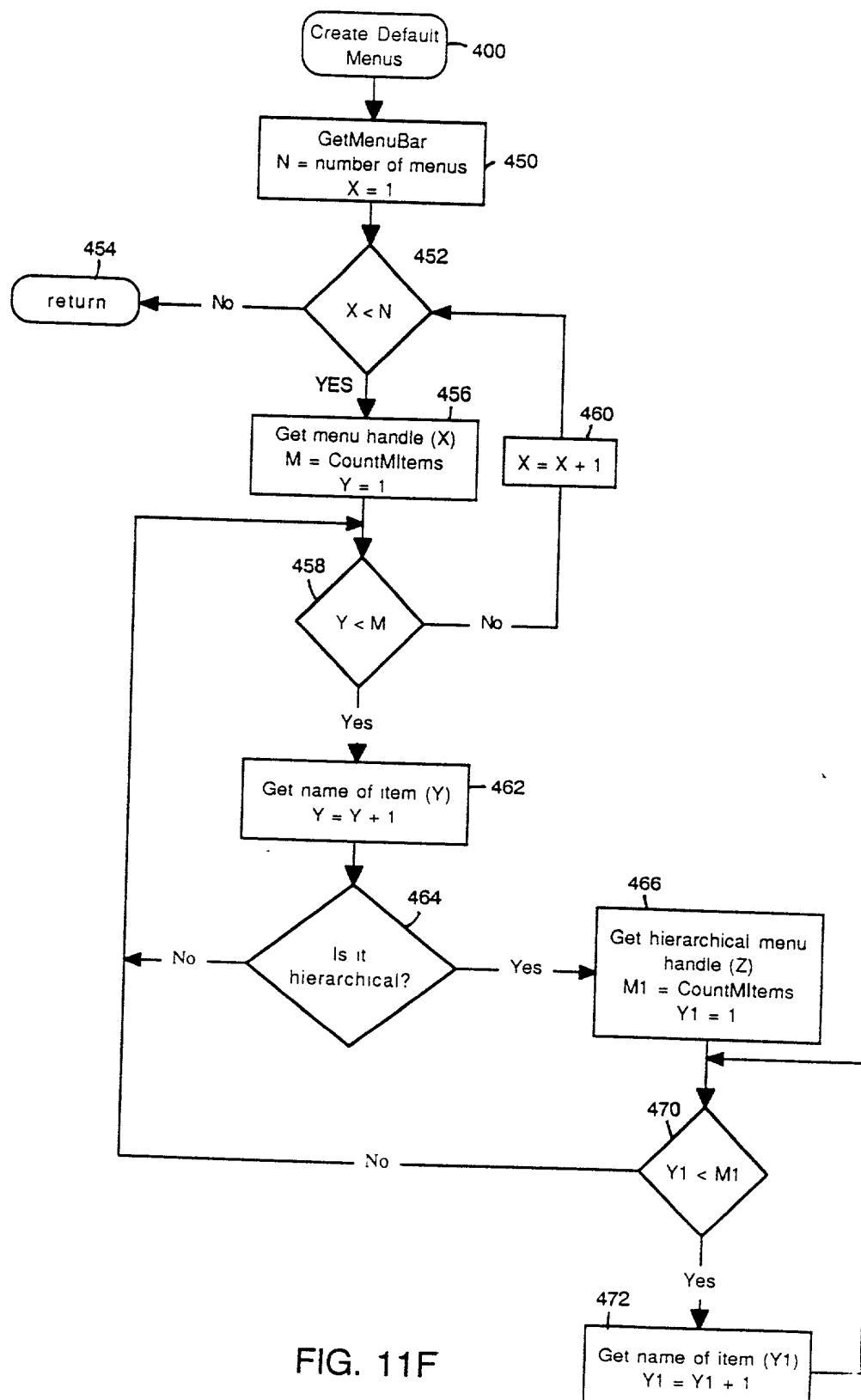


FIG. 11F



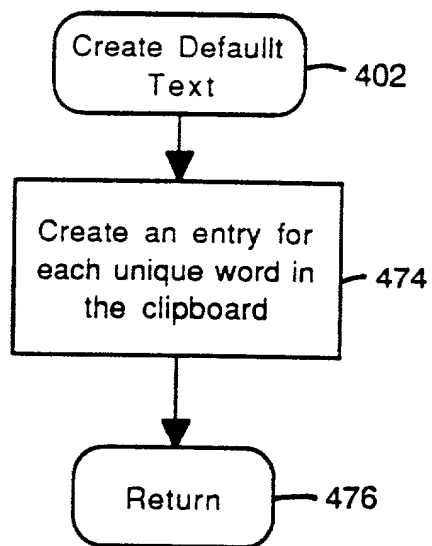


FIG. 11G

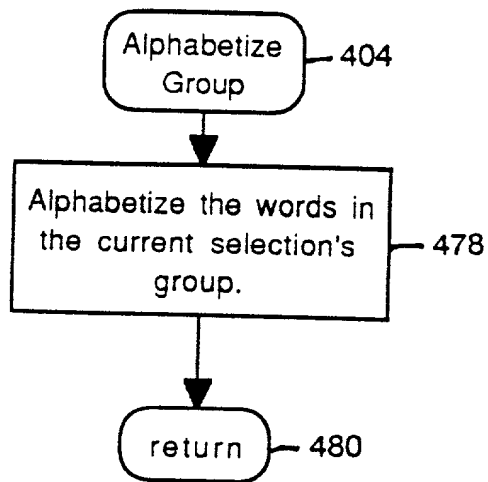


FIG. 11H

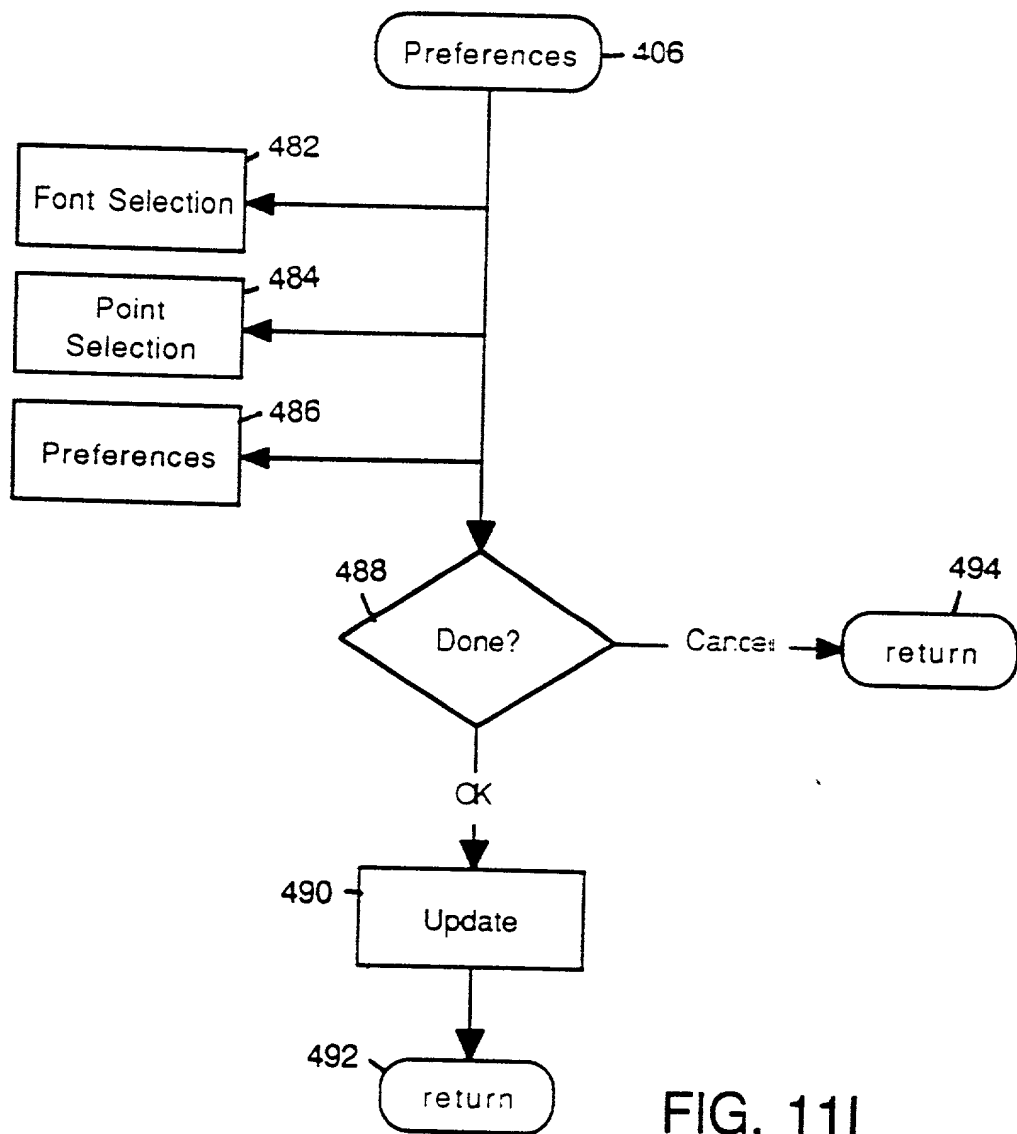


FIG. 11I

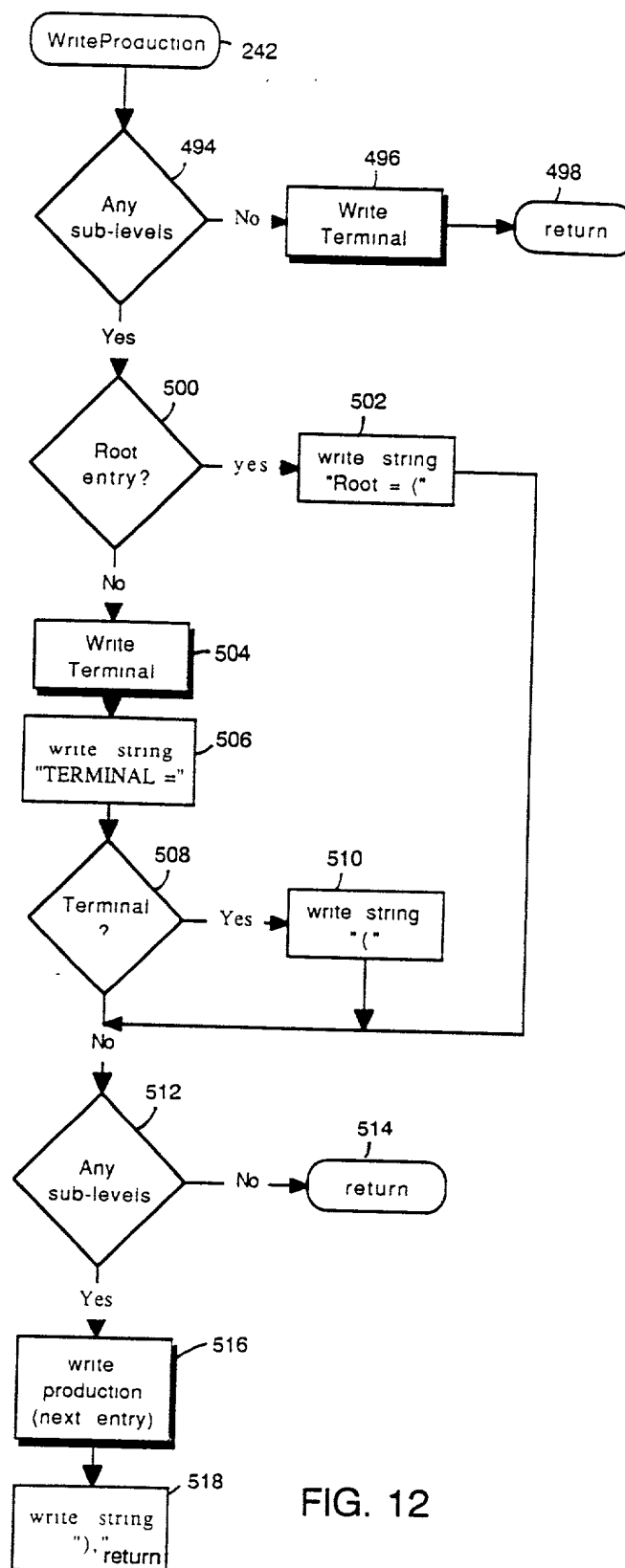
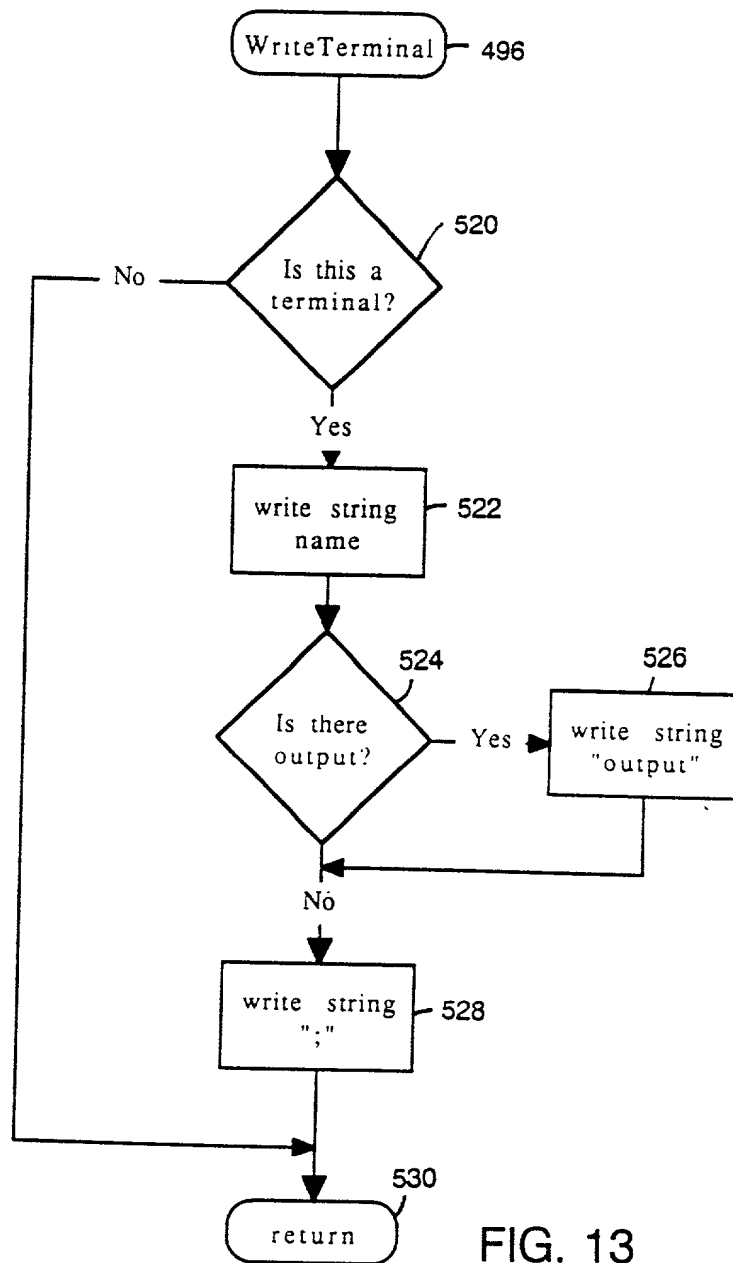


FIG. 12



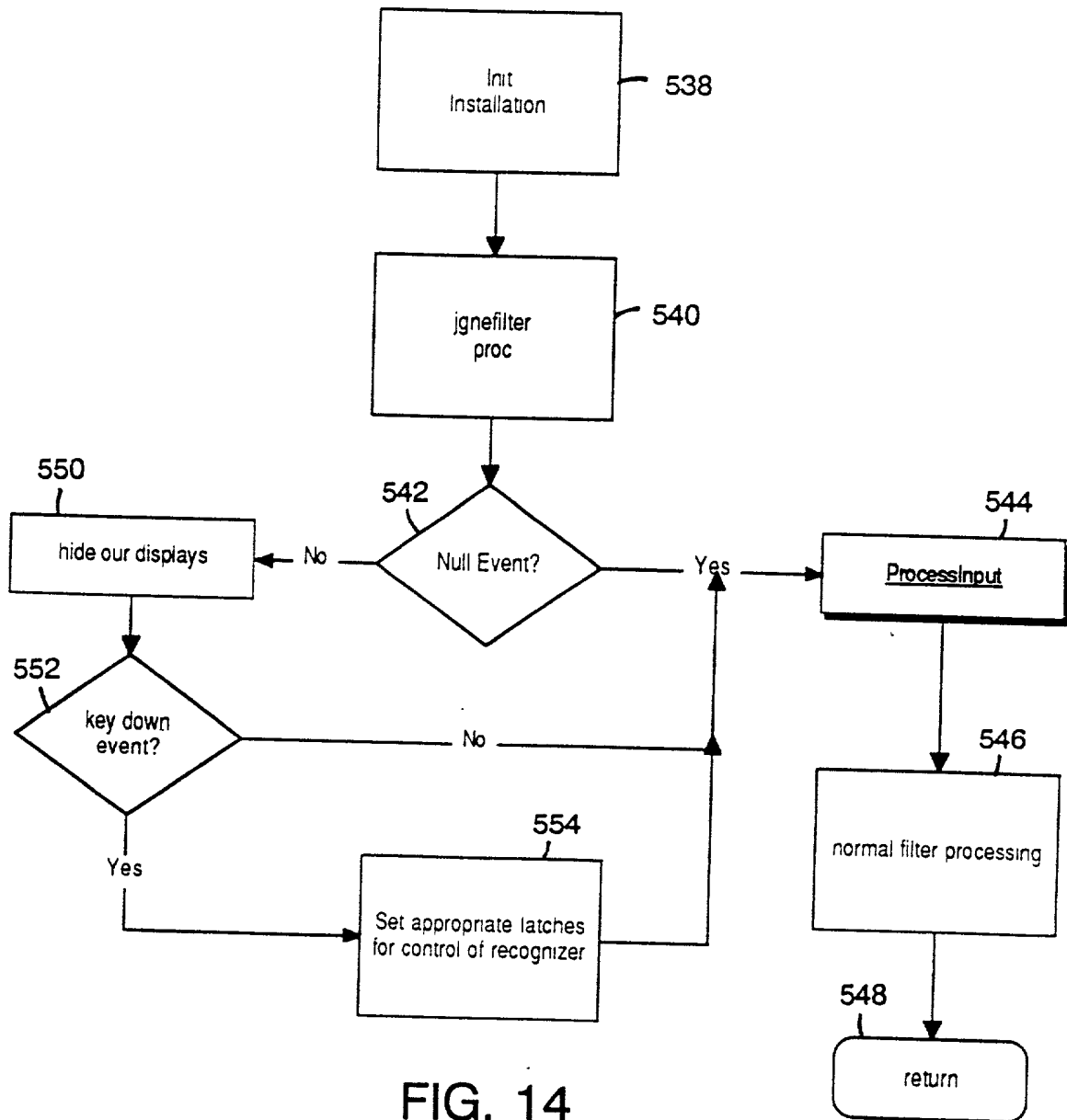


FIG. 14

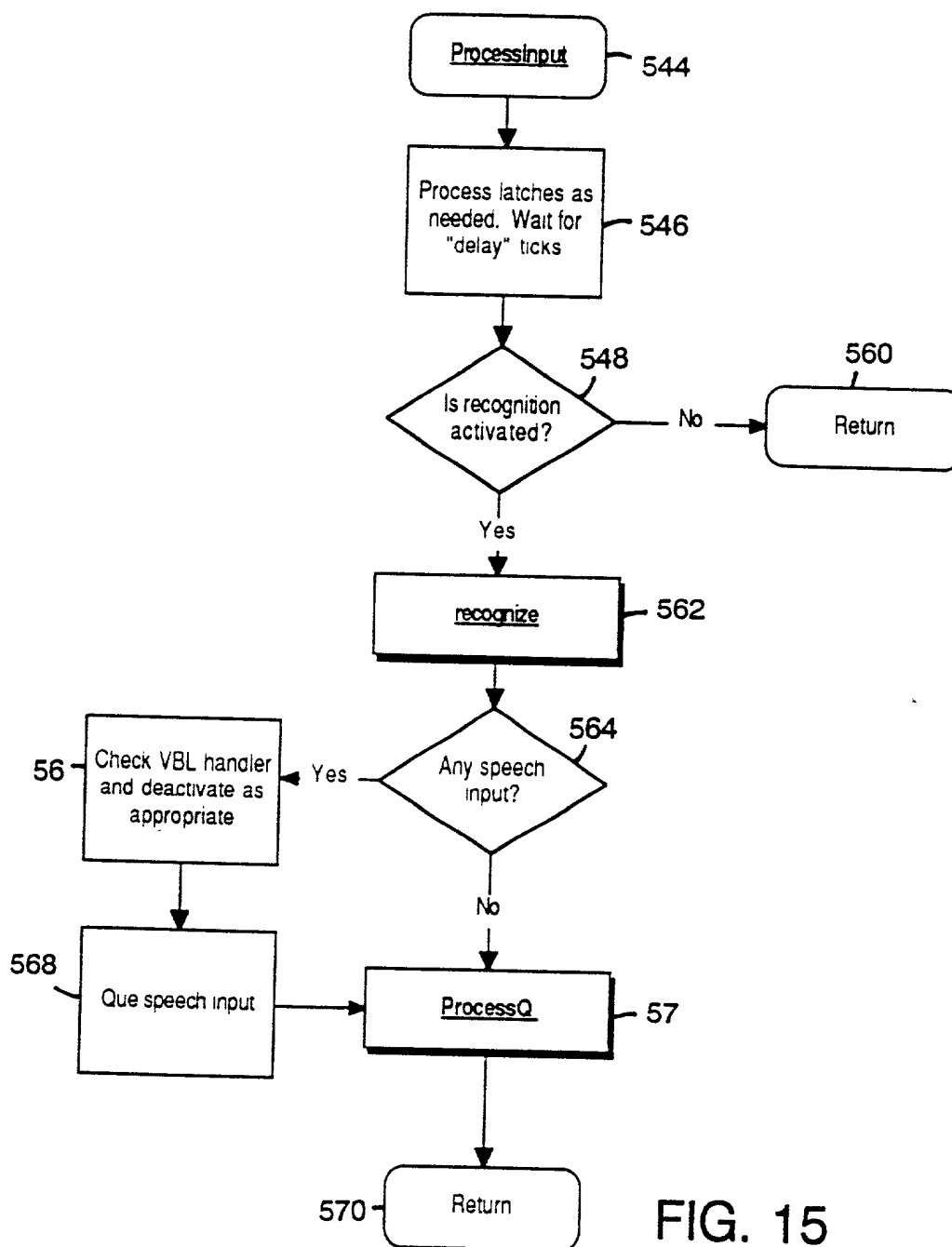


FIG. 15

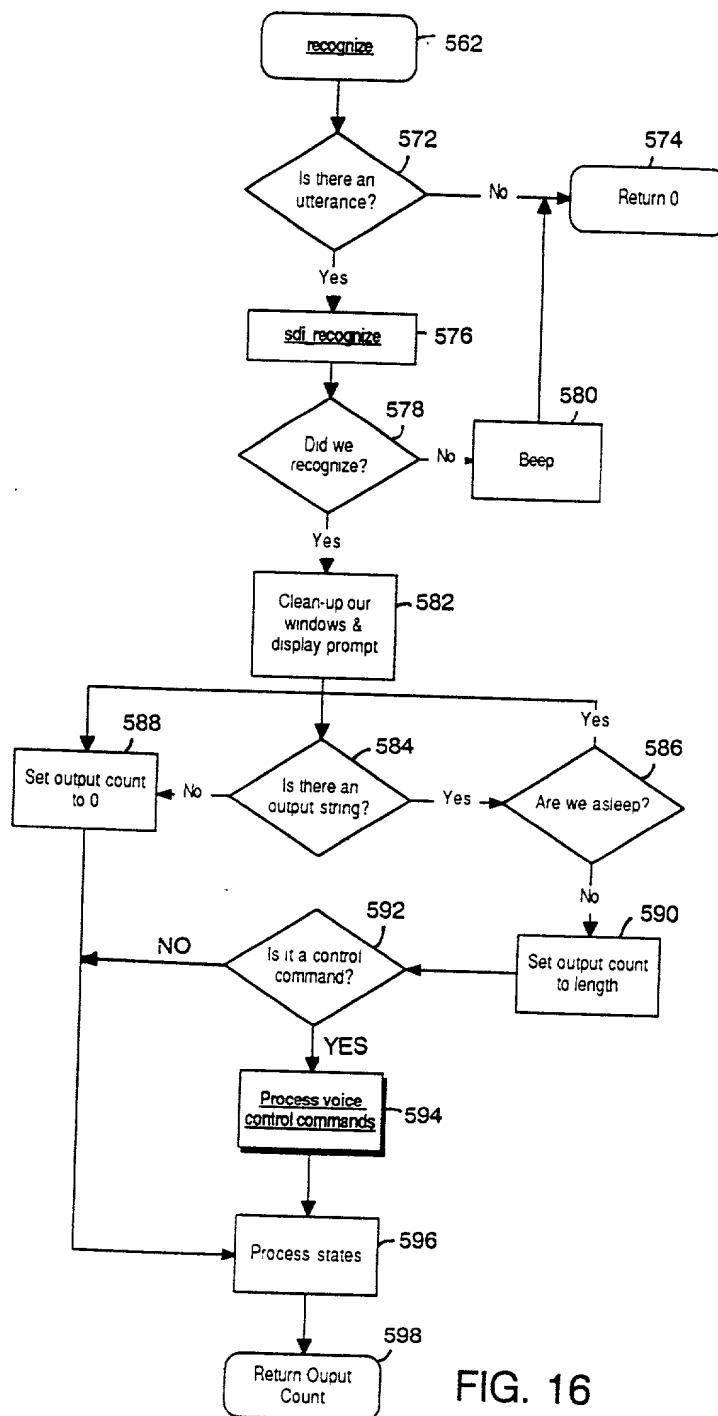


FIG. 16



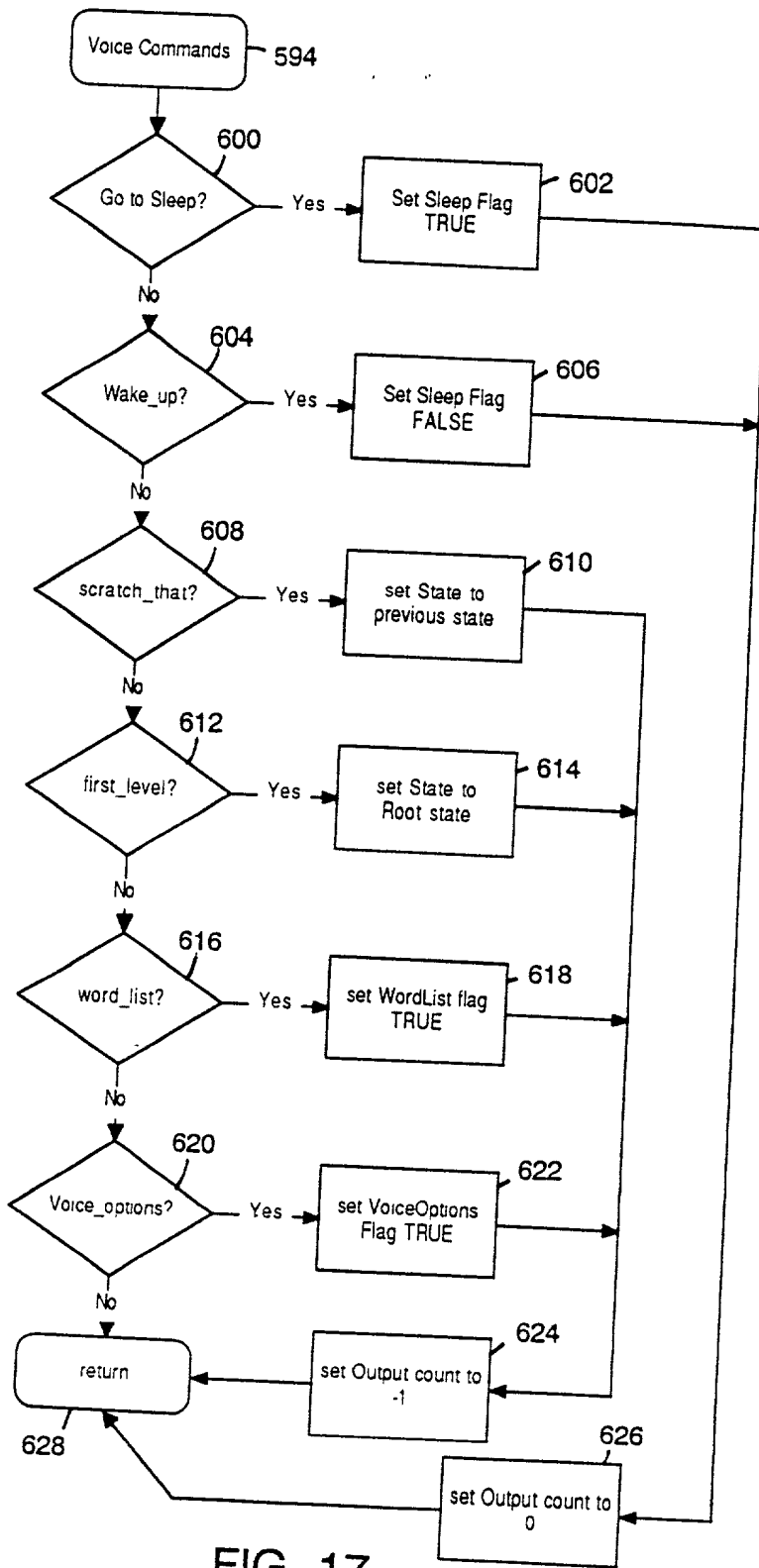


FIG. 17

FIG. 18

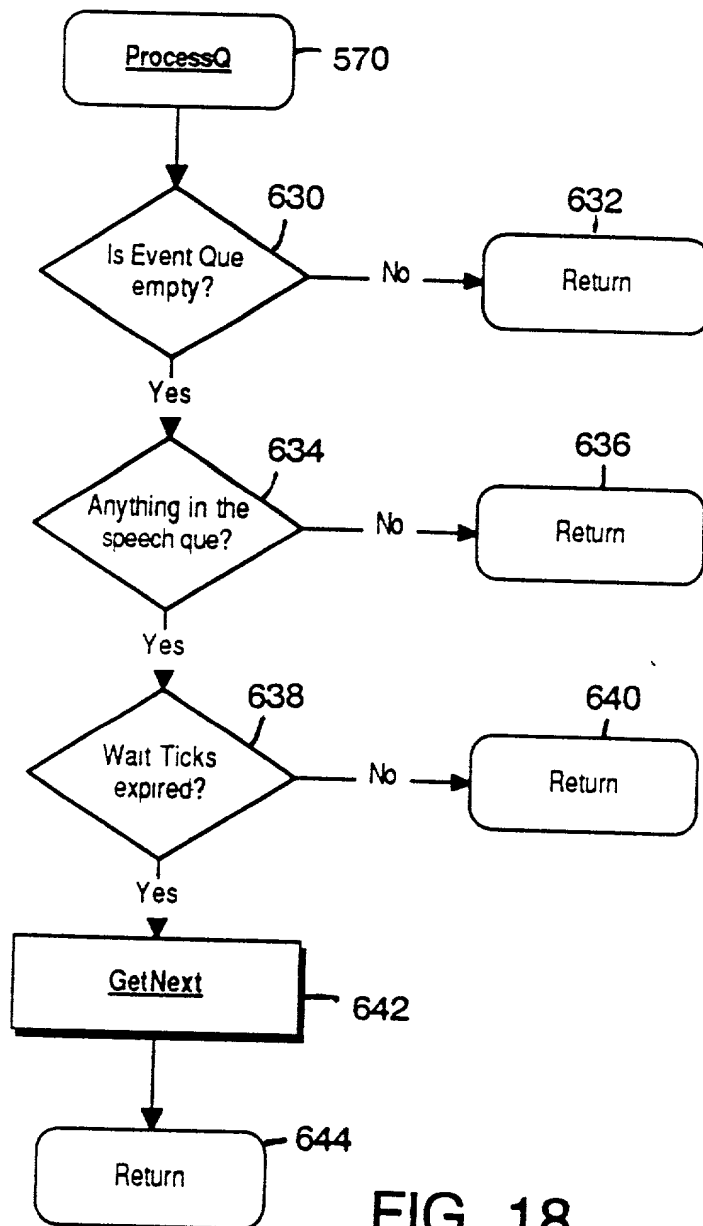


FIG. 18

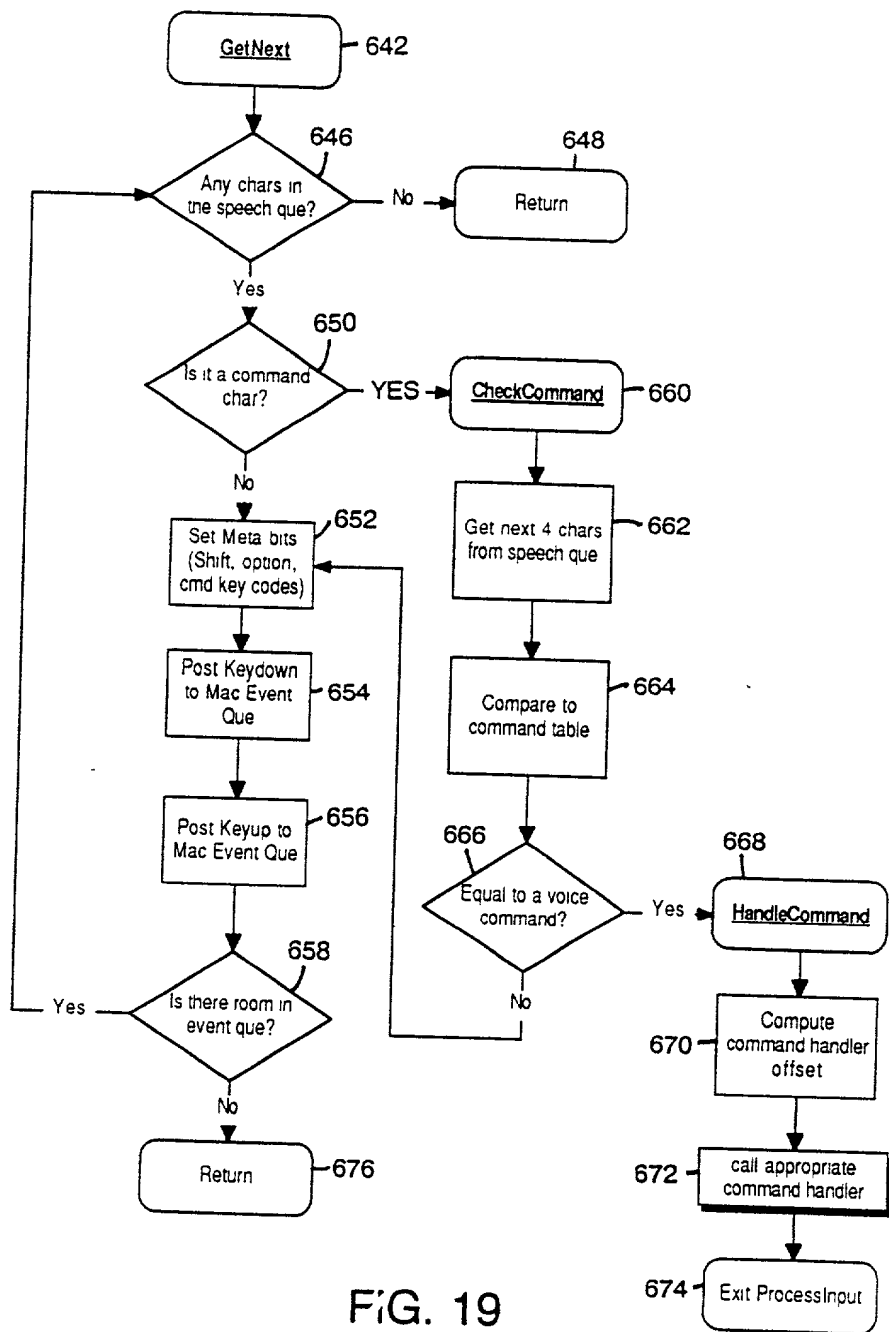


FIG. 19

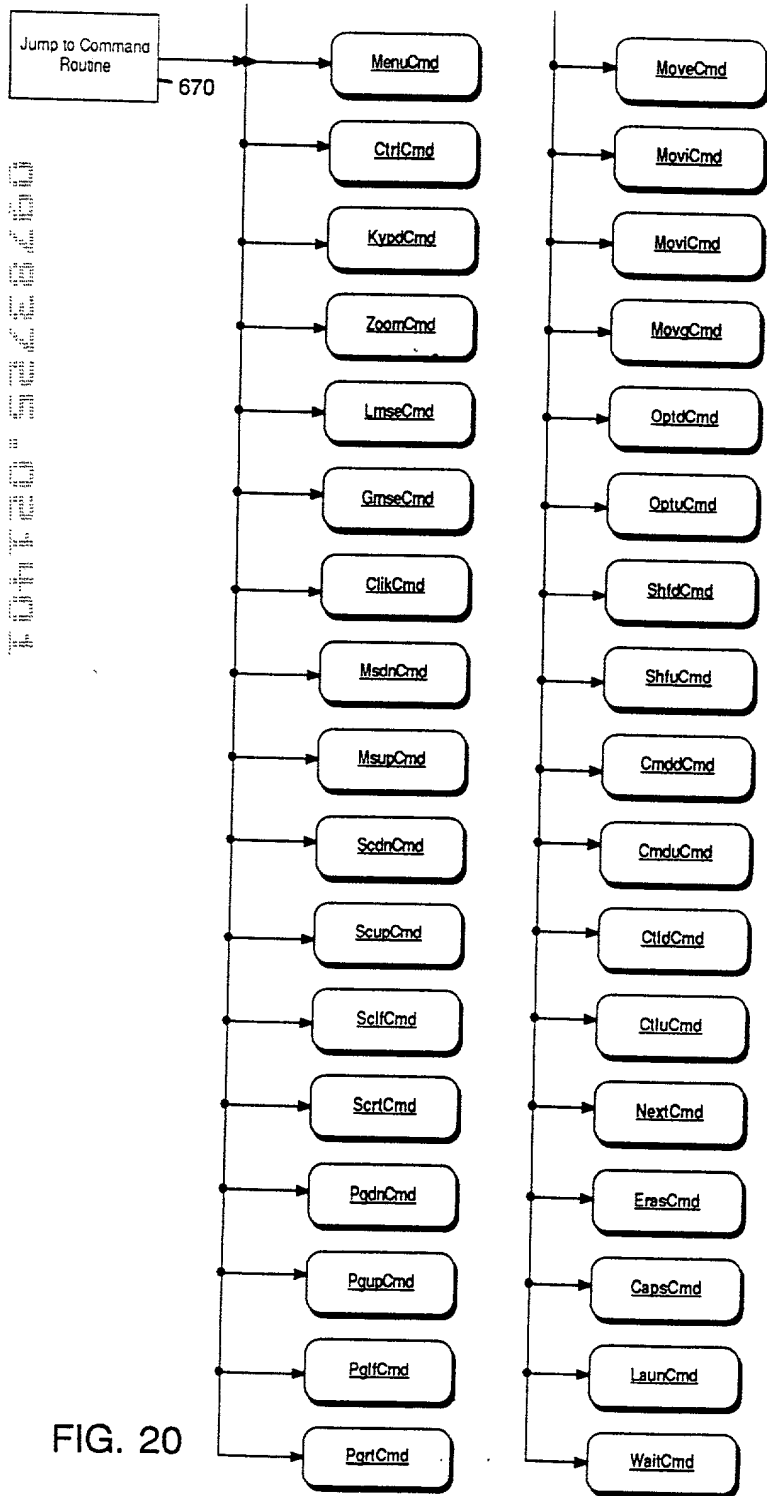


FIG. 20

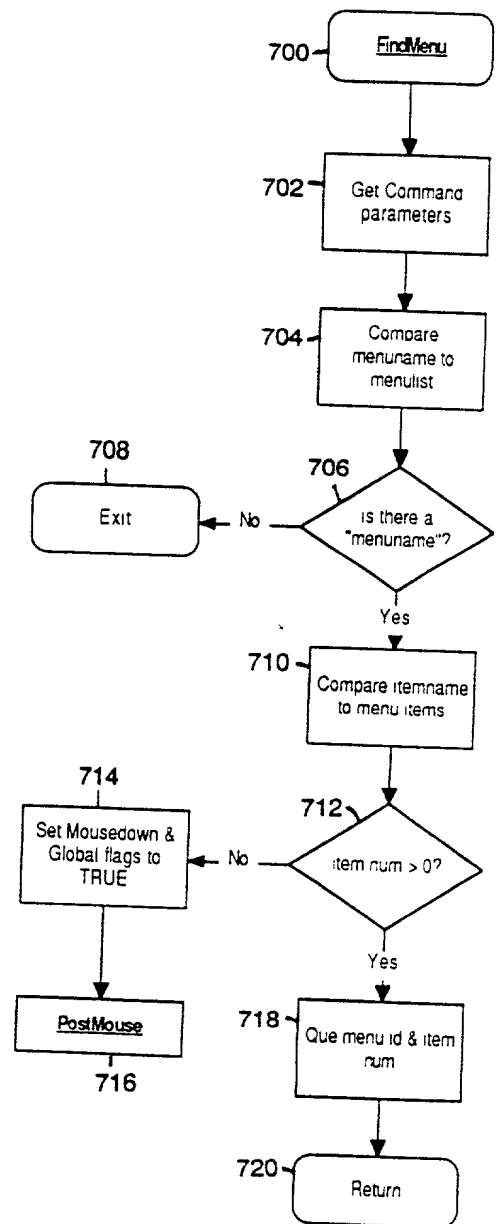
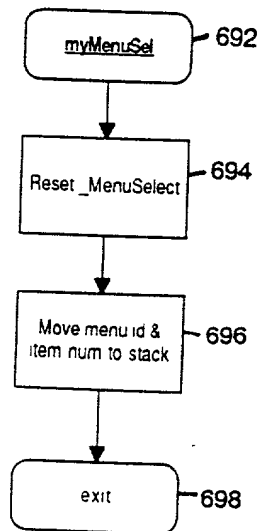
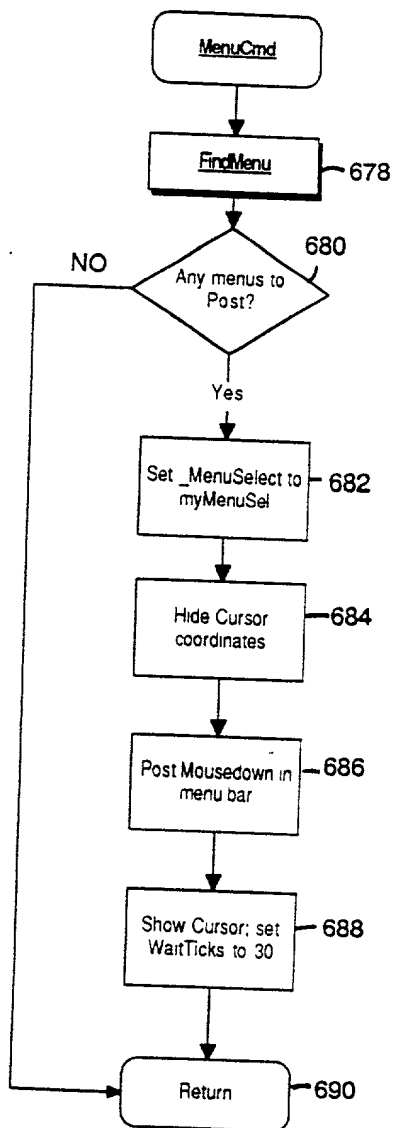


FIG. 21A

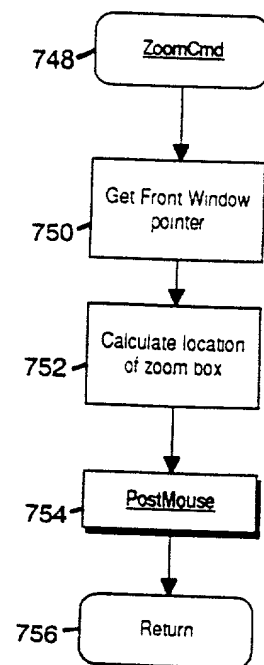
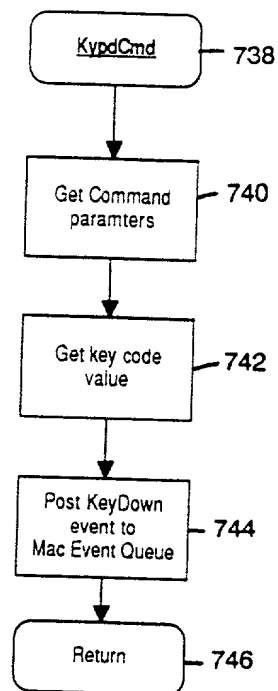
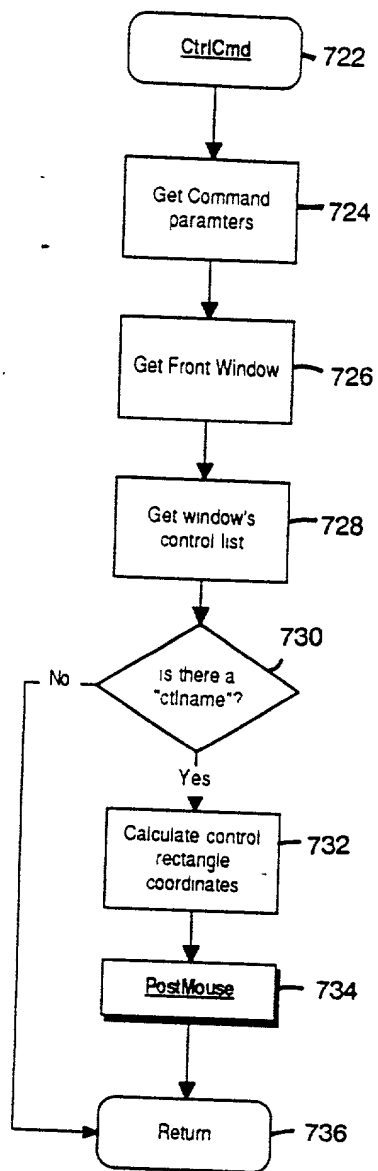


FIG. 21B

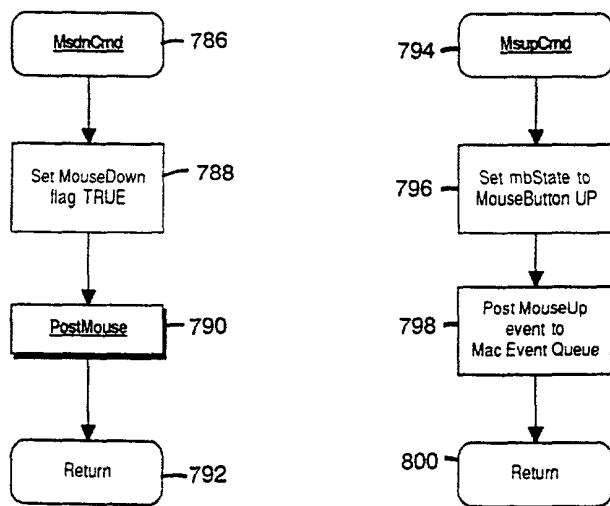
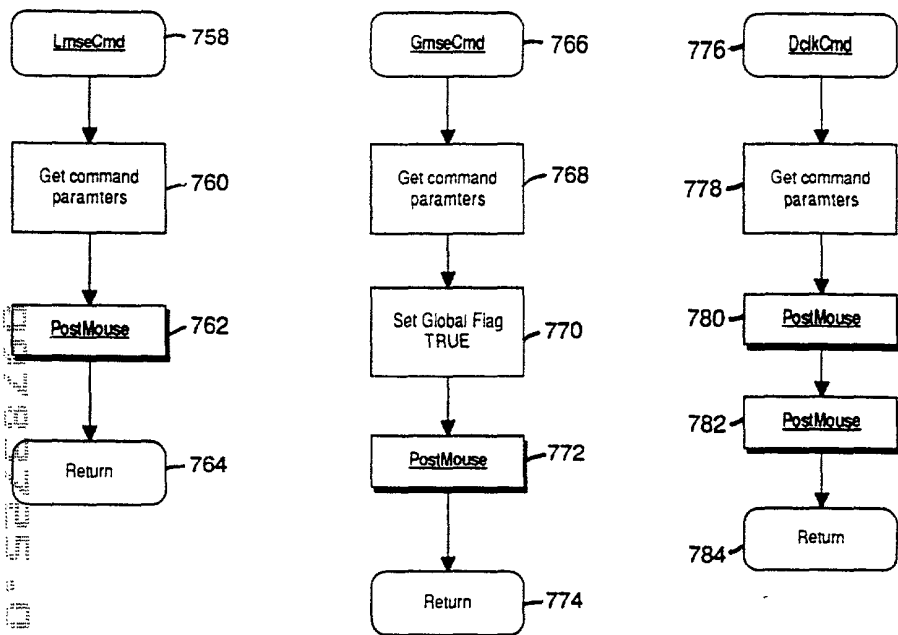
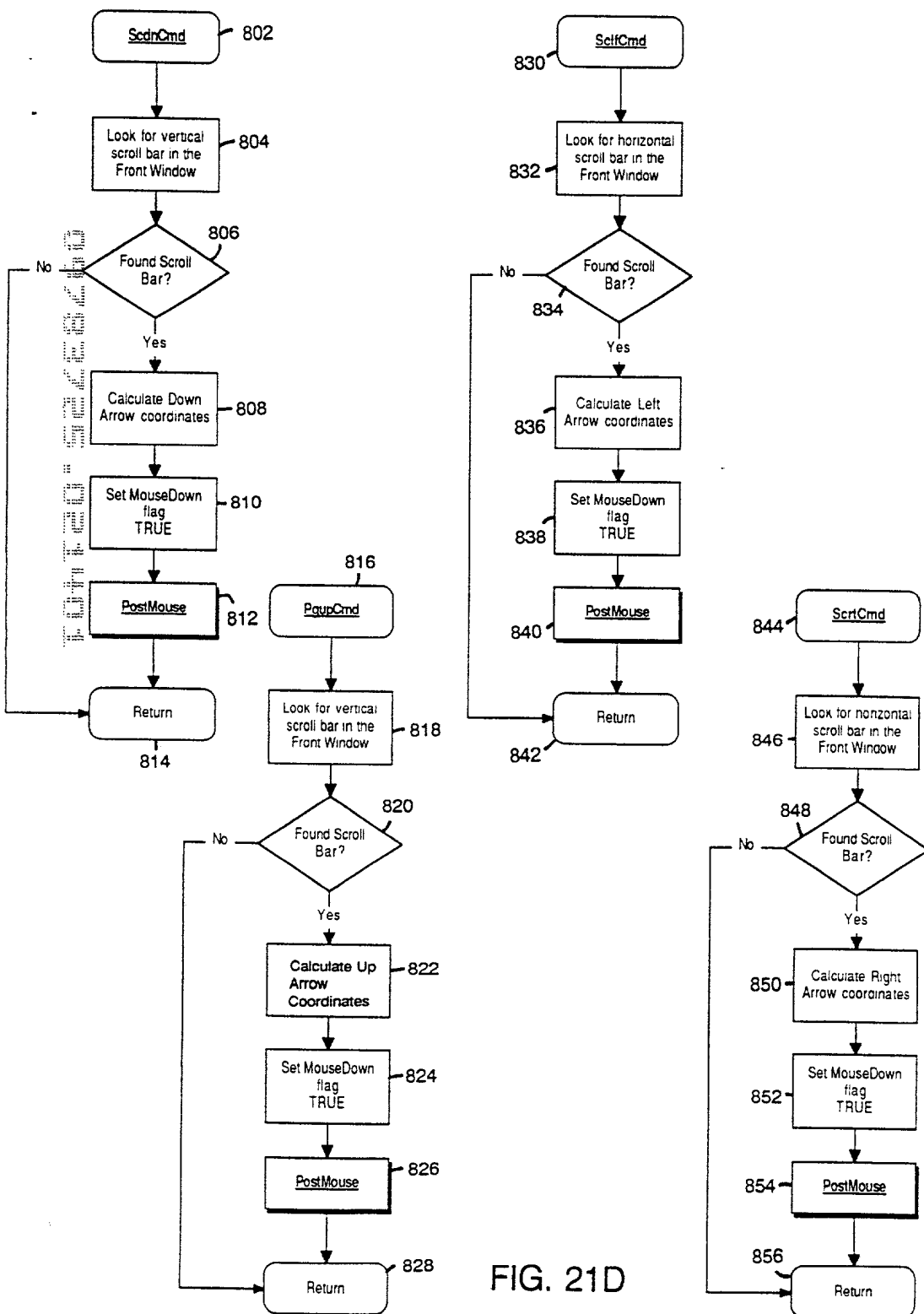


FIG. 21C





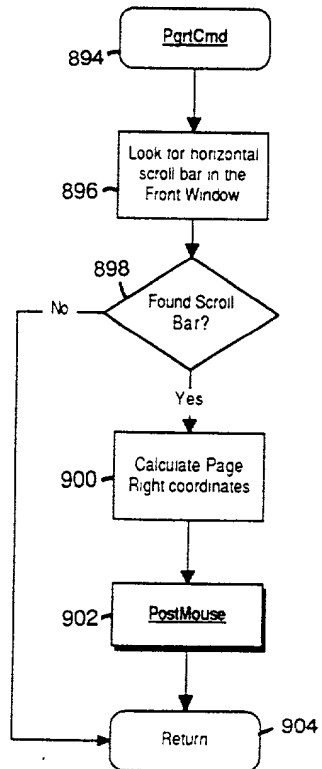
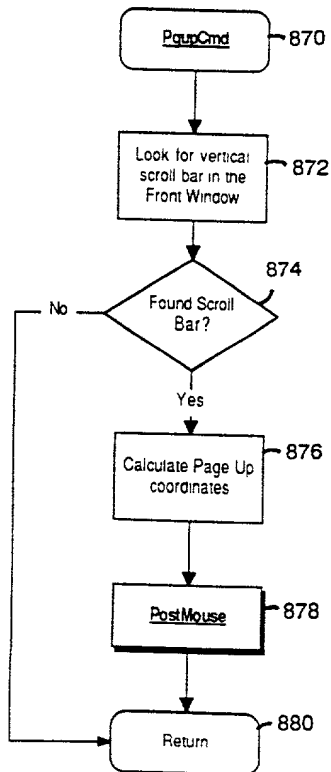
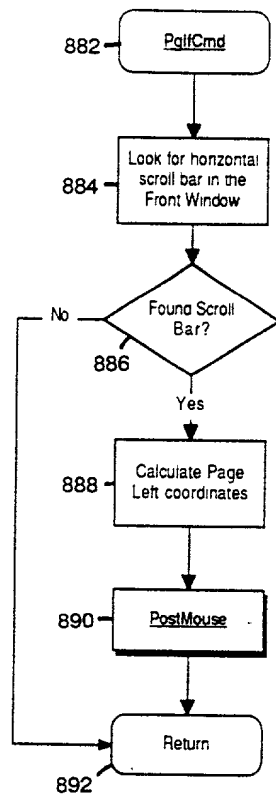
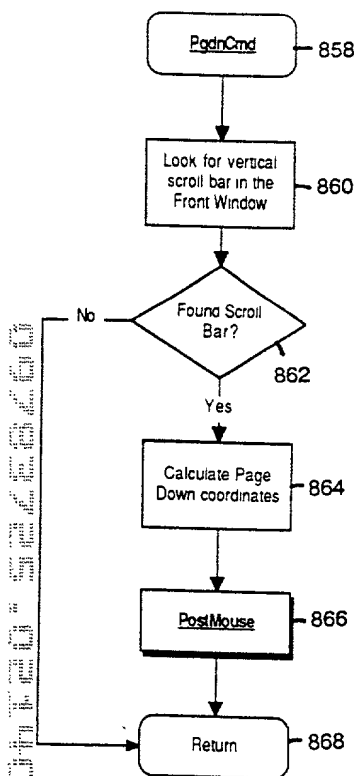
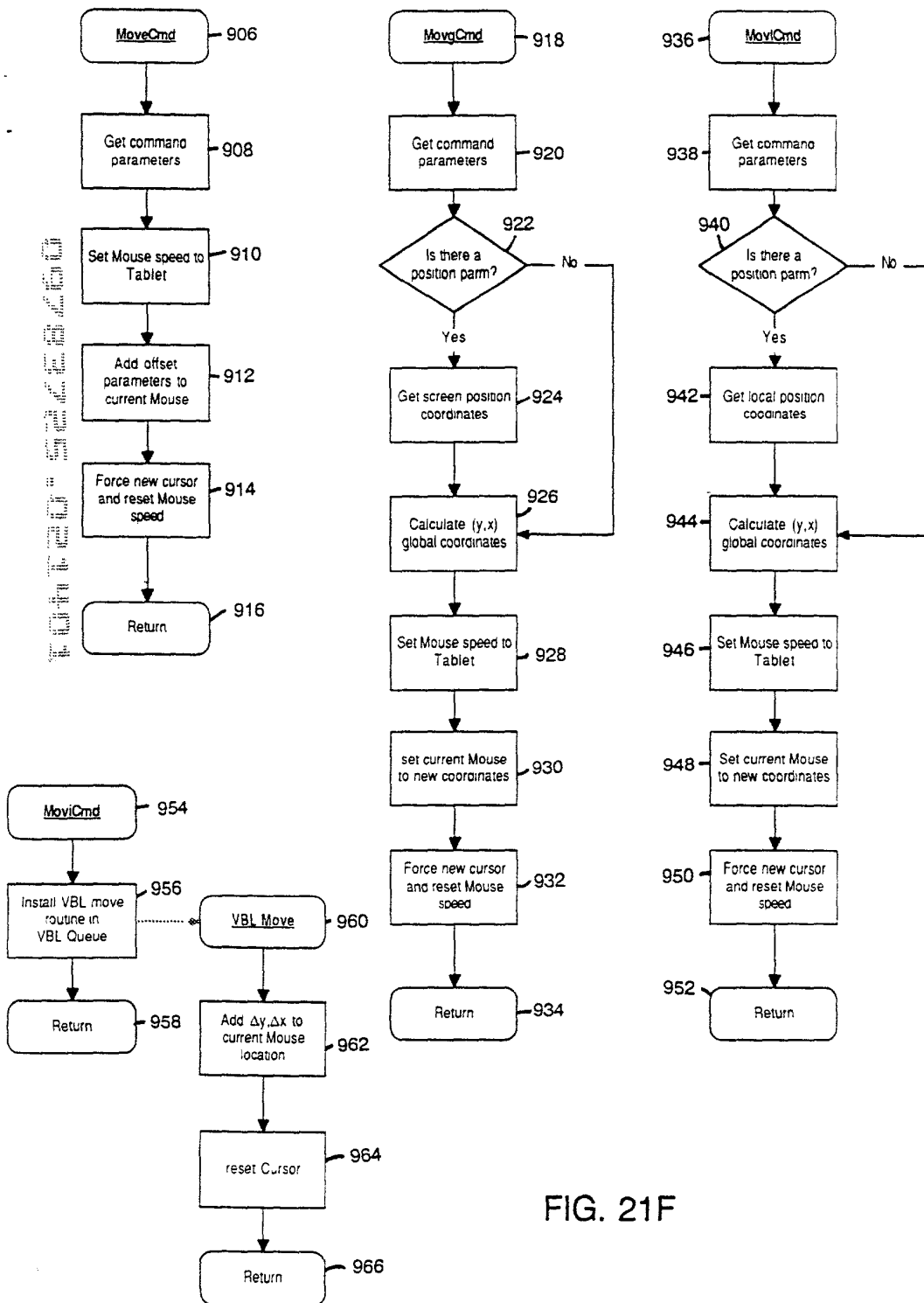


FIG. 21E



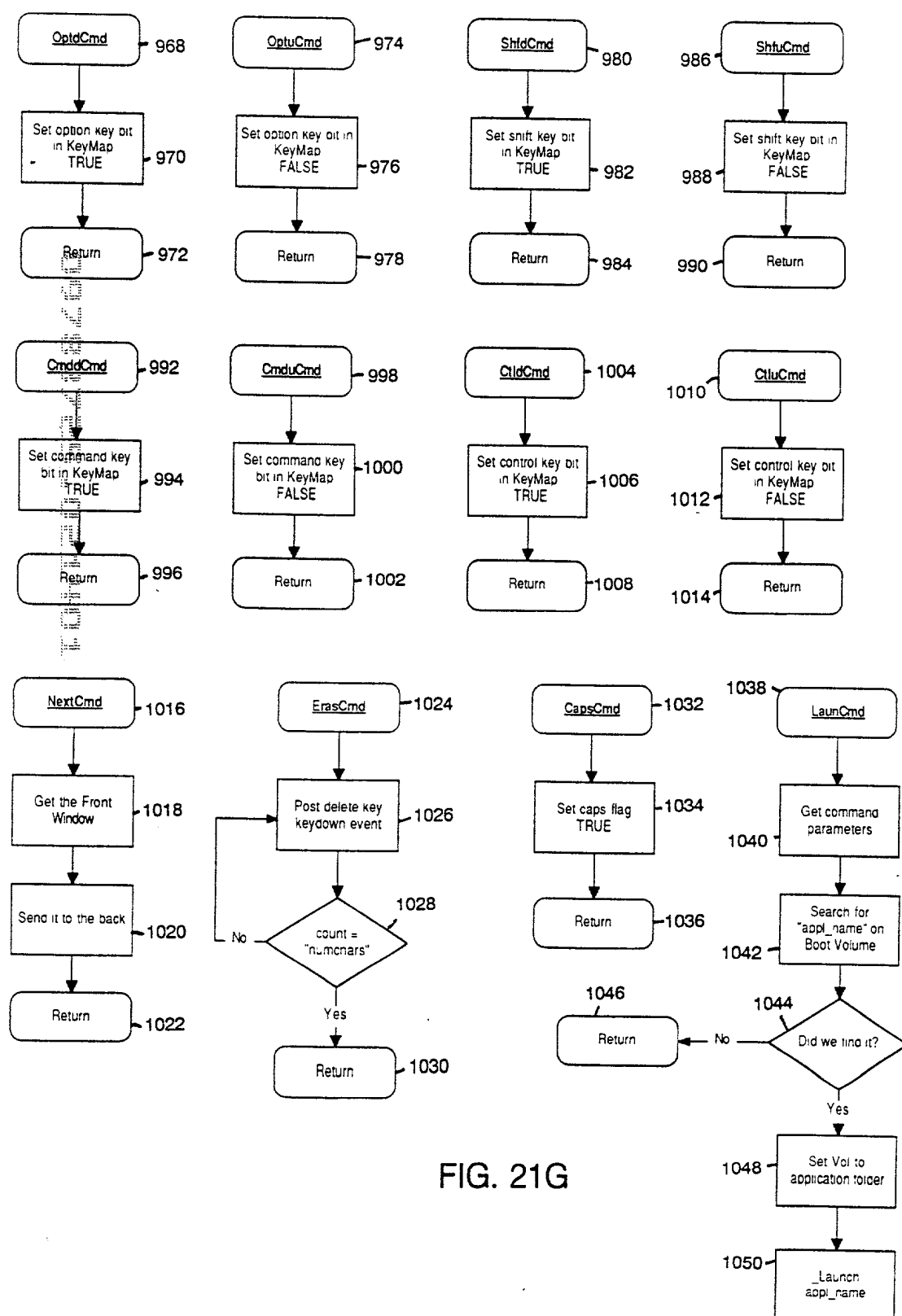


FIG. 22

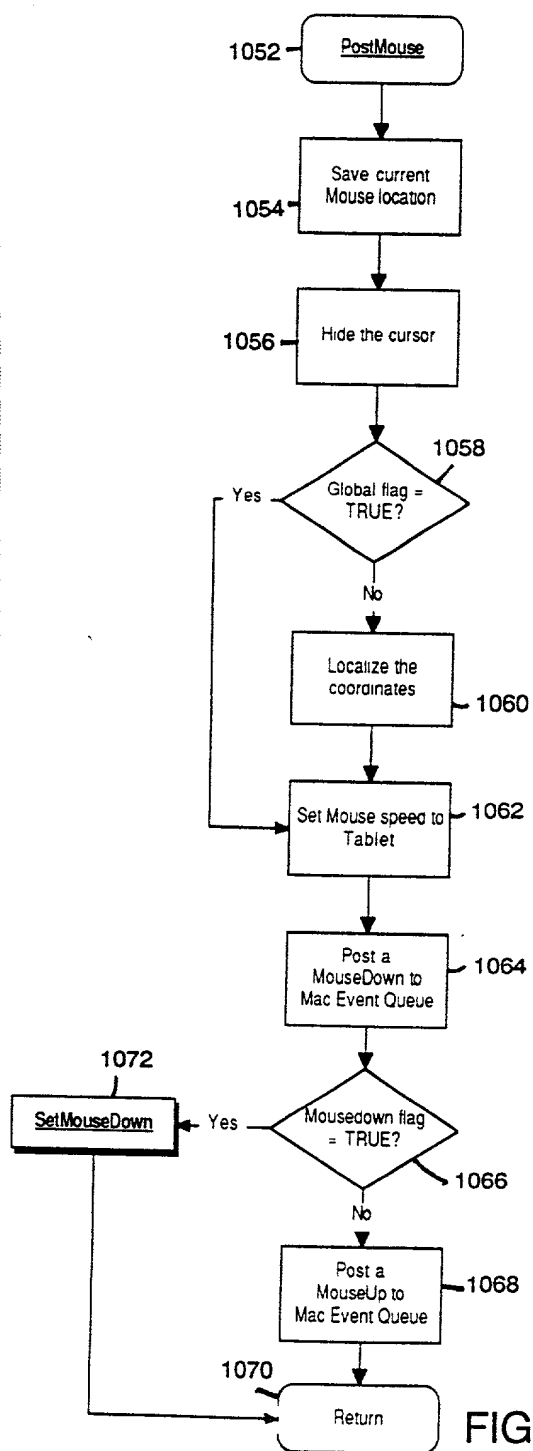


FIG. 22

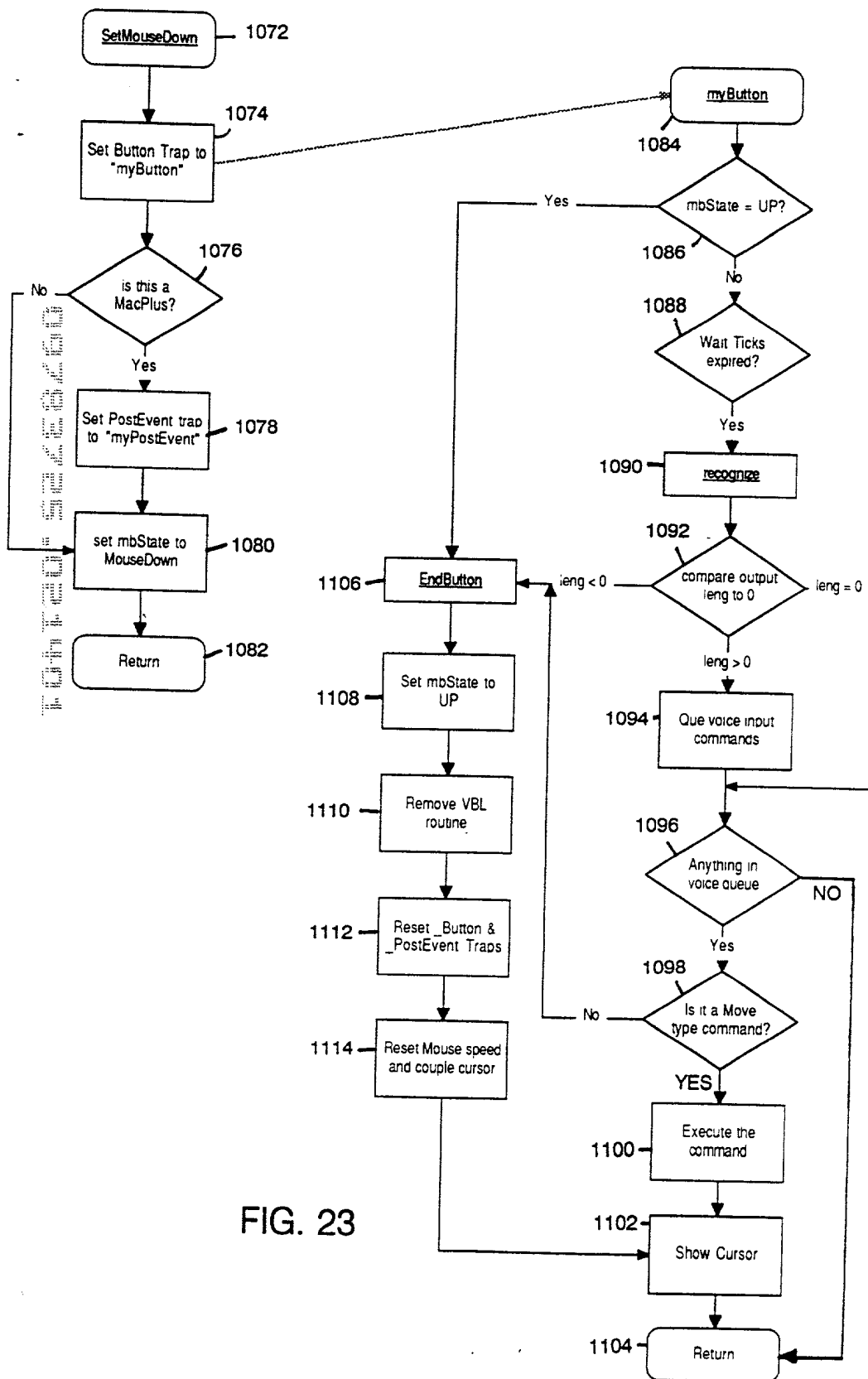


FIG. 23

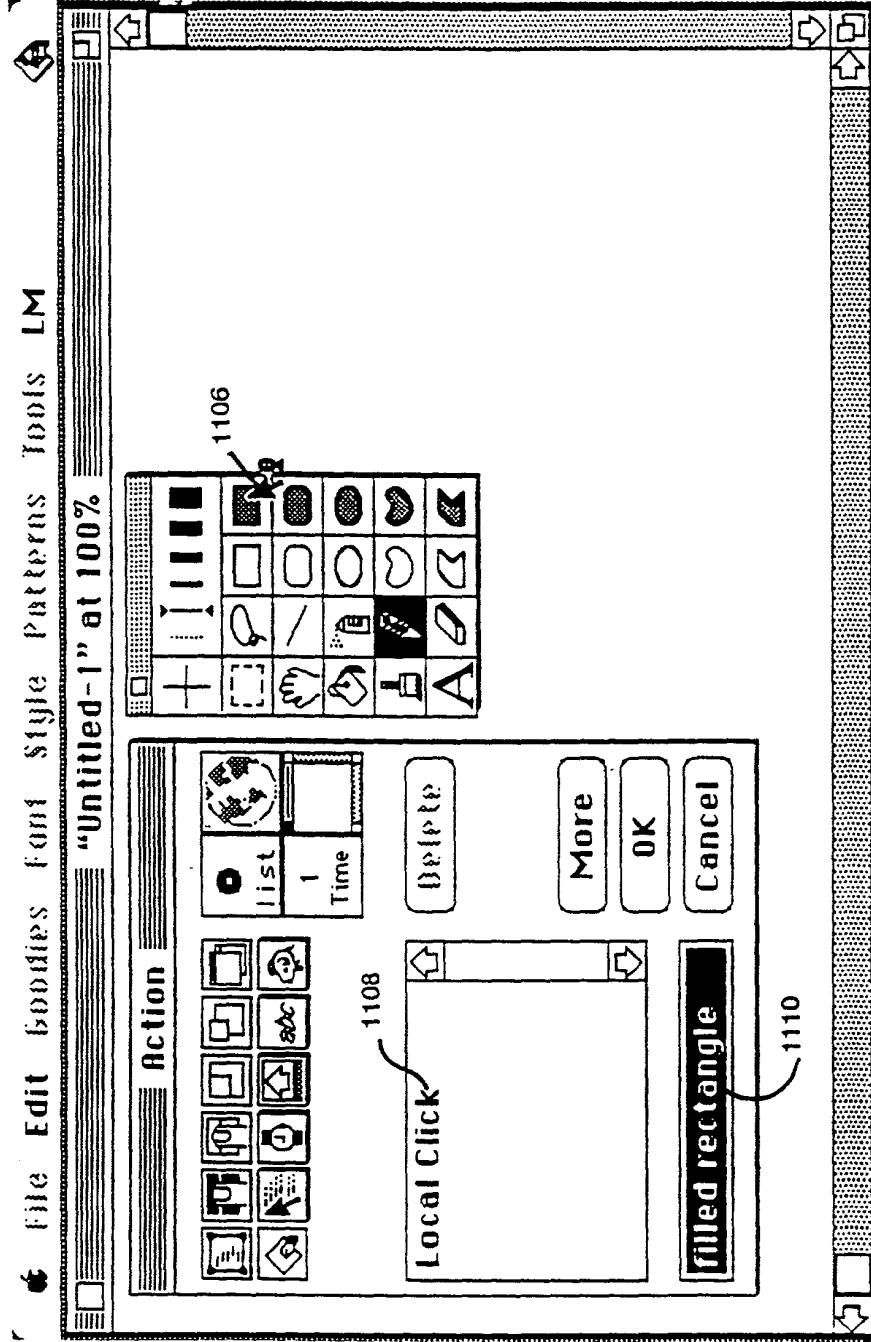


FIG. 24

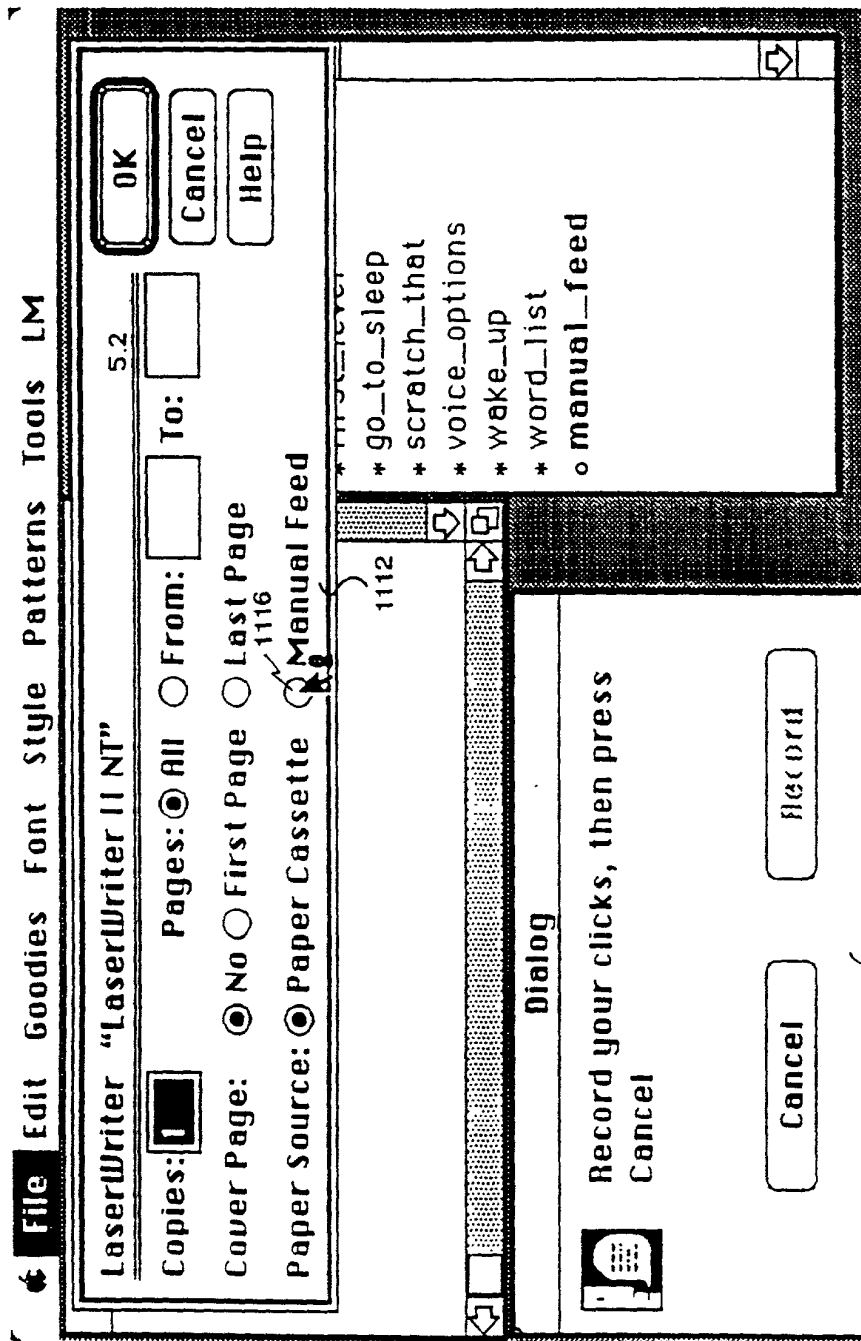


FIG. 25

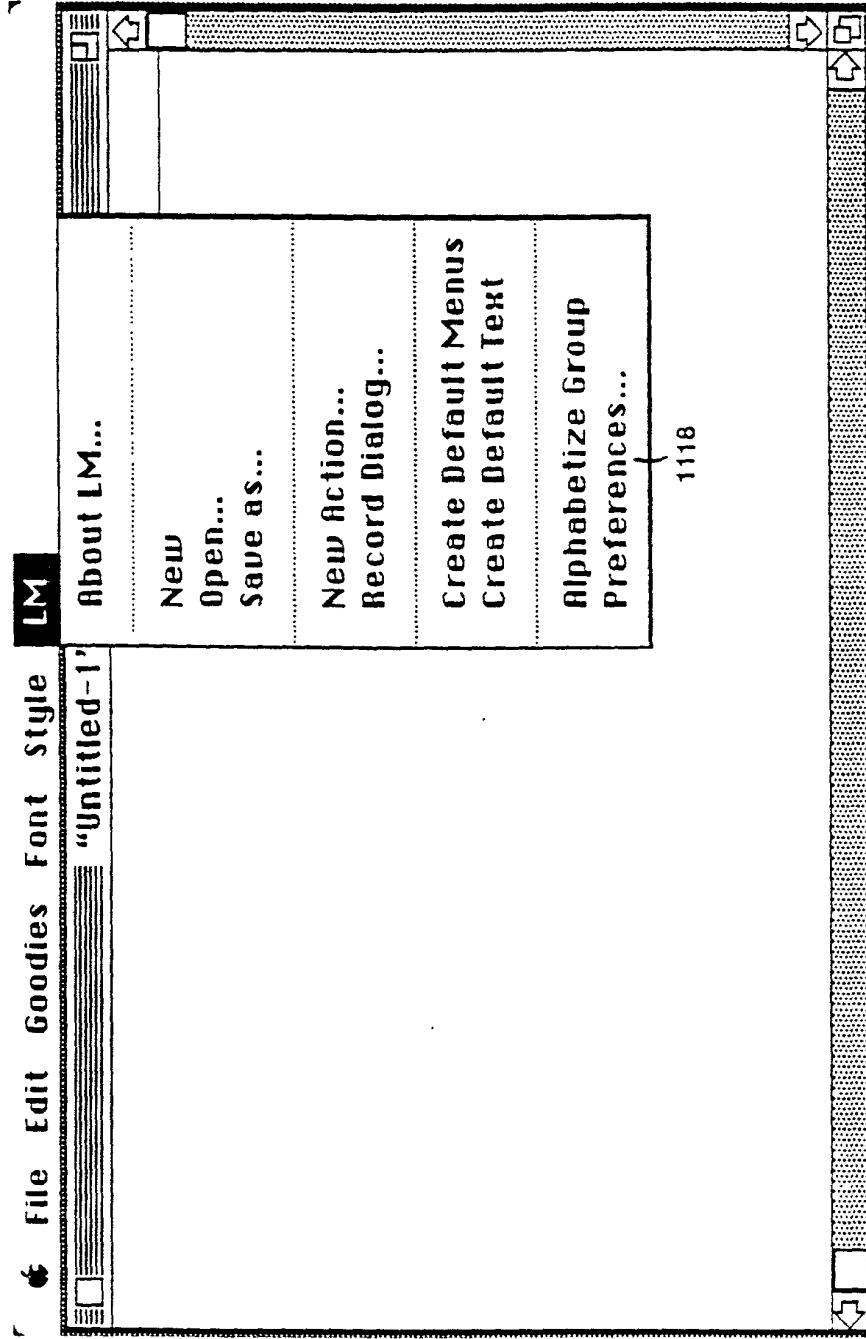
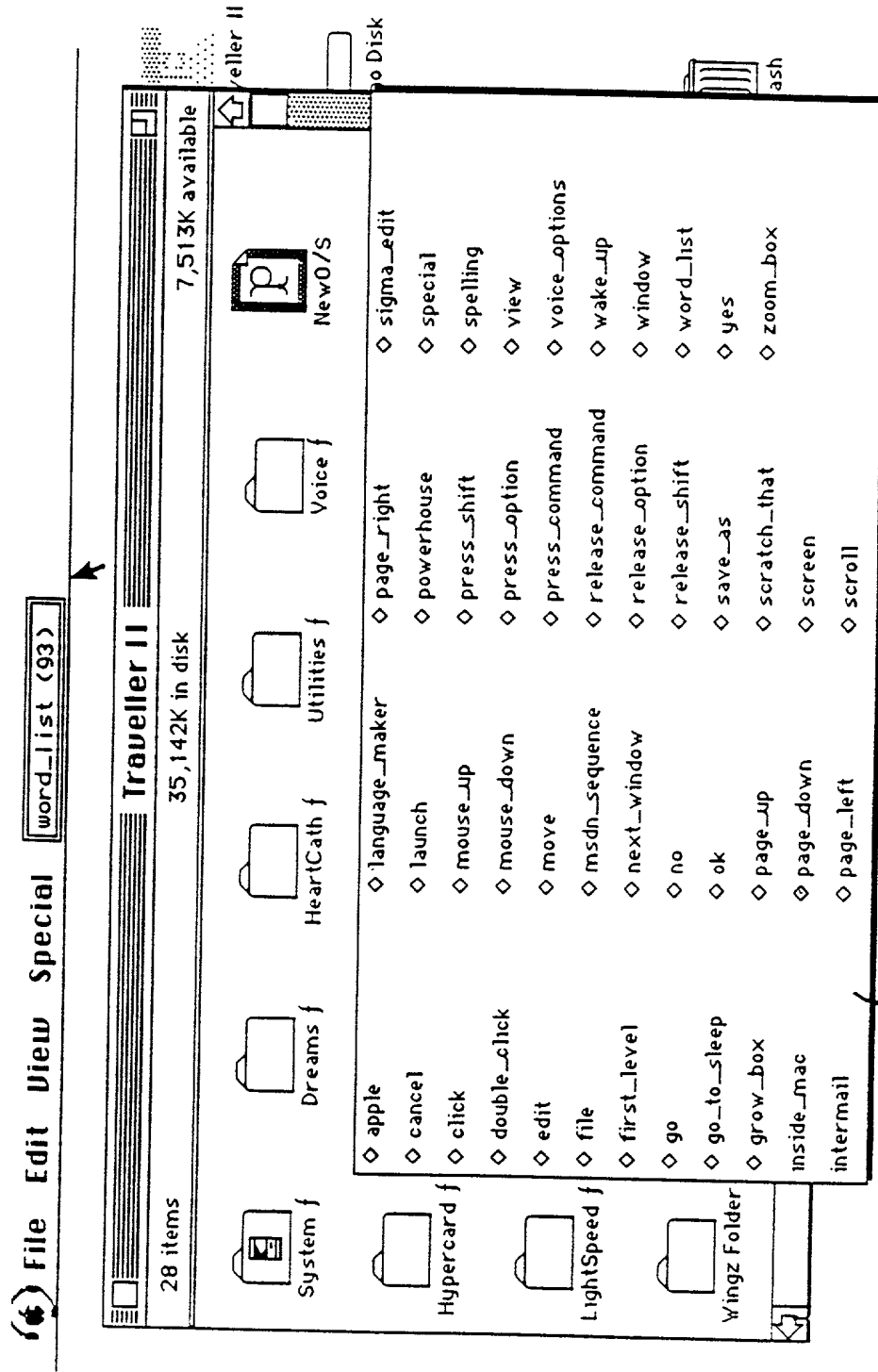


FIG. 26





1120

FIG. 27

File Edit View Special

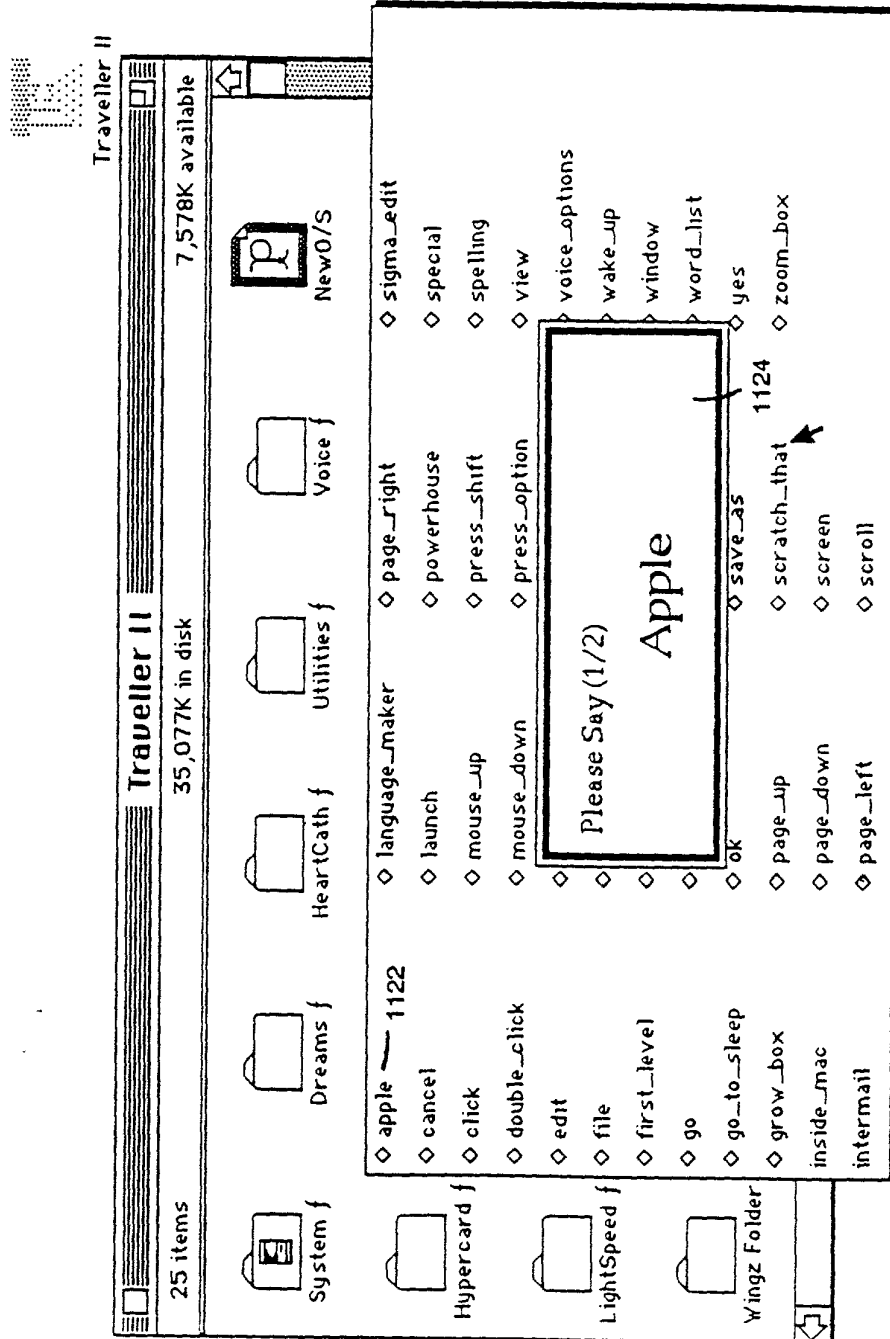


FIG. 28

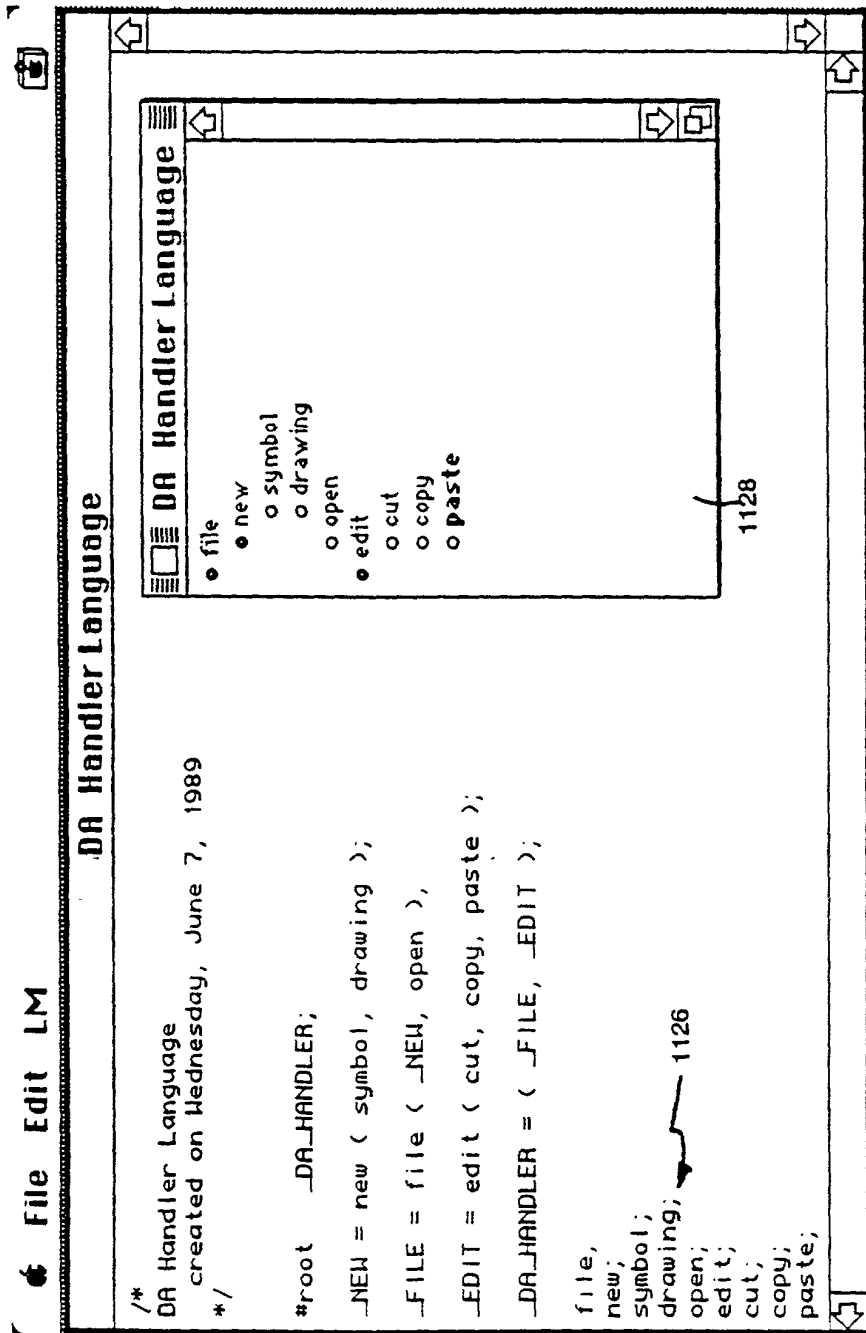


FIG. 29

DA Handler Language  
Wednesday, June 7, 1989 4:54 PM

```
/*  
DA Handler Language  
  created on Wednesday, June 7, 1989  
*/
```

```
#root  _DA_HANDLER;  
  
_NEW = new ( symbol, drawing );  
  
_FILE = file ( _NEW, open );  
  
_EDIT = edit ( cut, copy, paste );  
  
_DA_HANDLER = ( _FILE, _EDIT );  
  
file;  
new;  
symbol;  
drawing;  
open;  
edit;  
cut;  
copy;  
paste;
```

**FIG. 30**

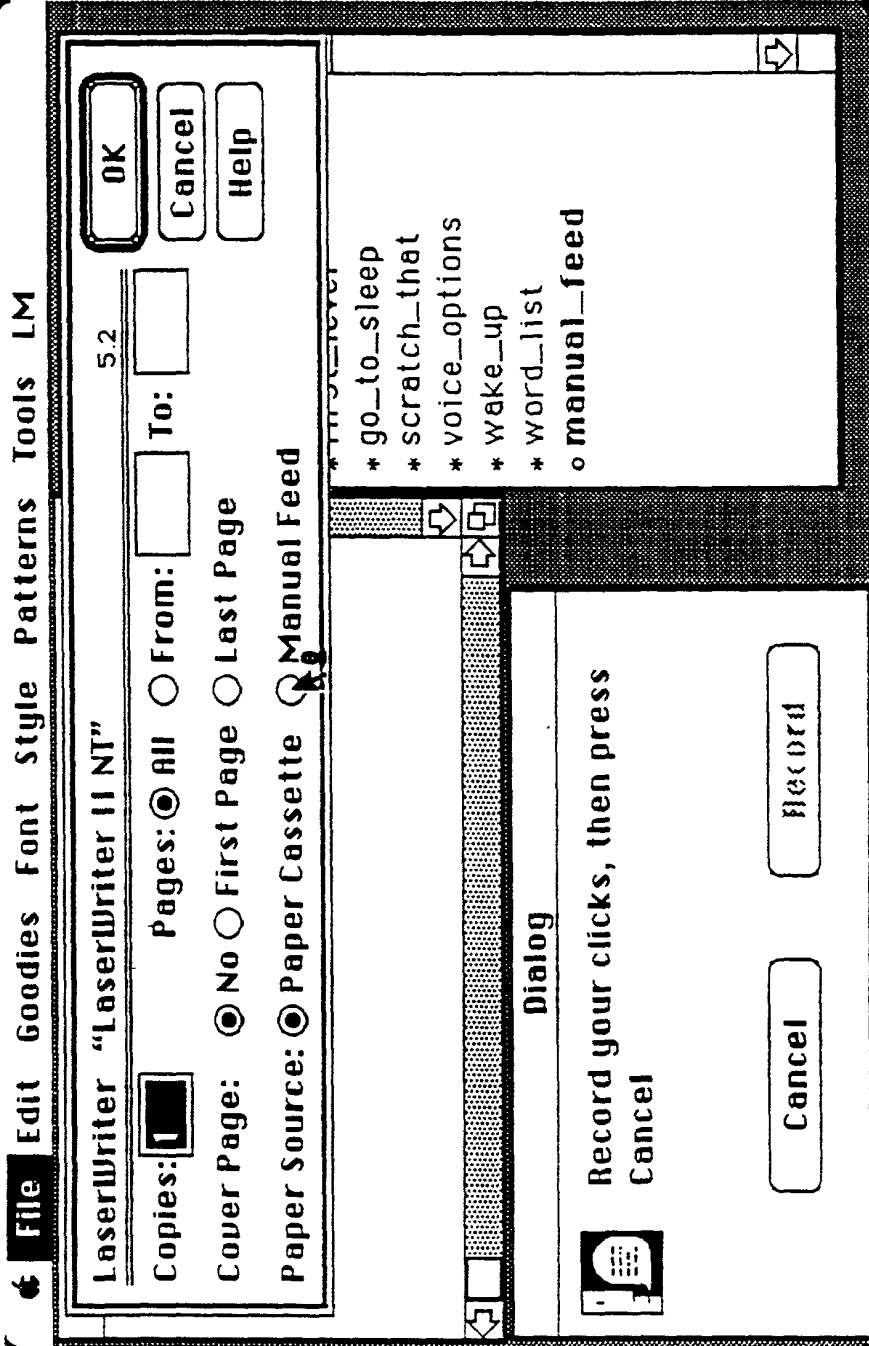


FIG. 31

# The Voice Navigator with a Mac SE or Mac Plus

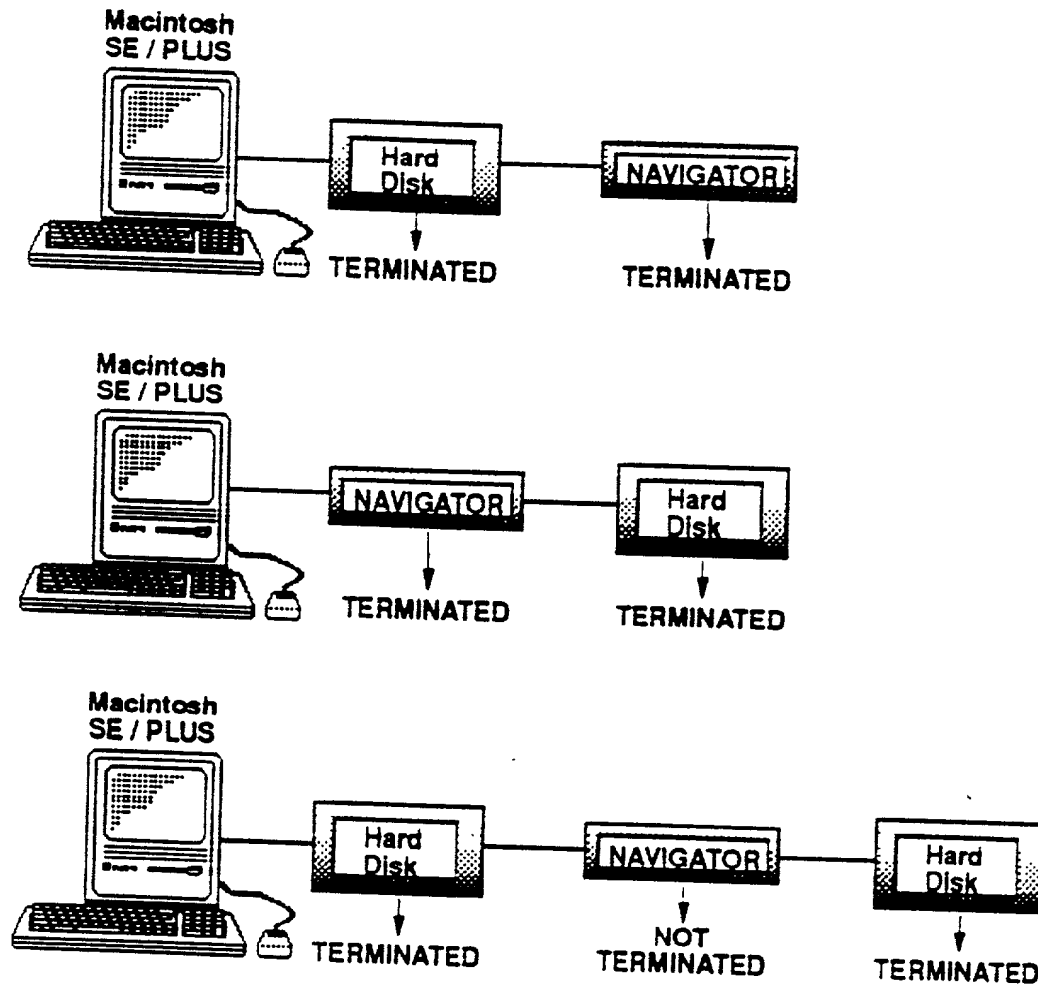
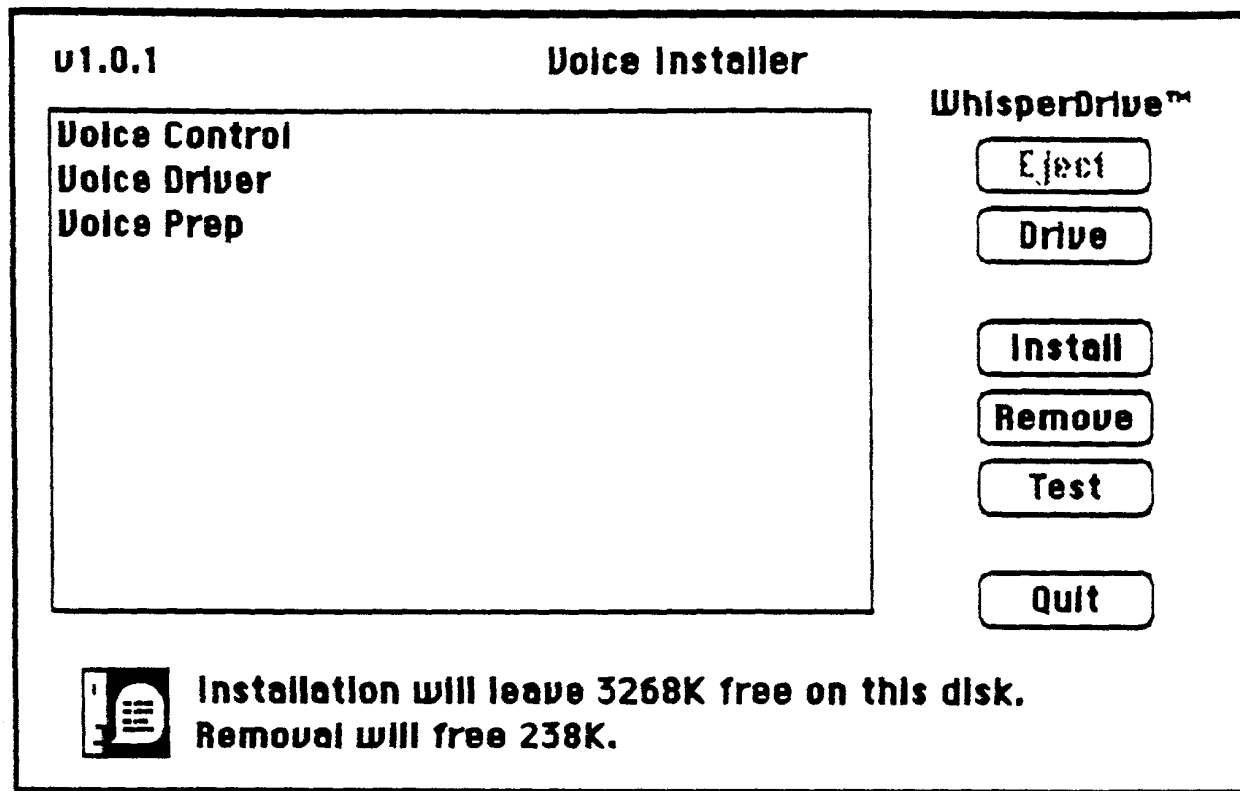


FIGURE 32



**FIGURE 33**





0970256260

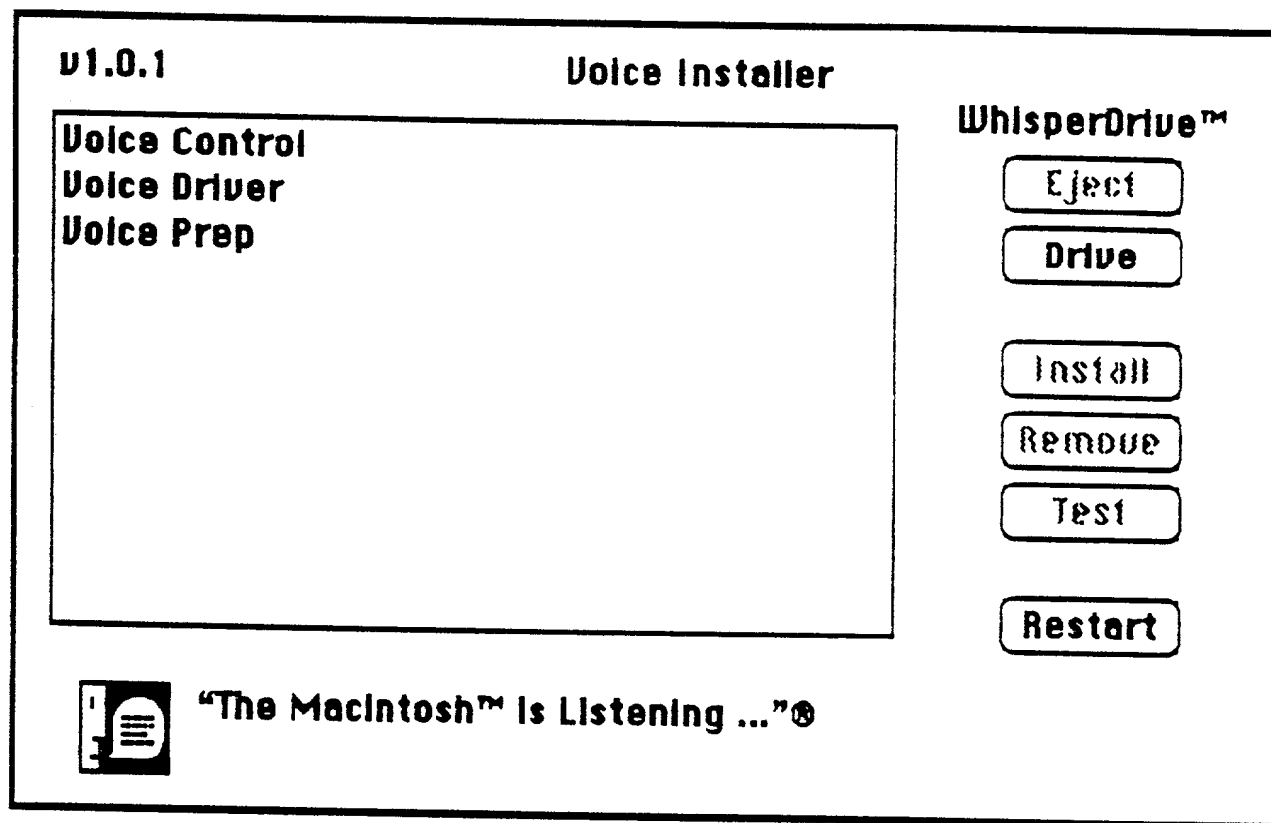


FIGURE 35

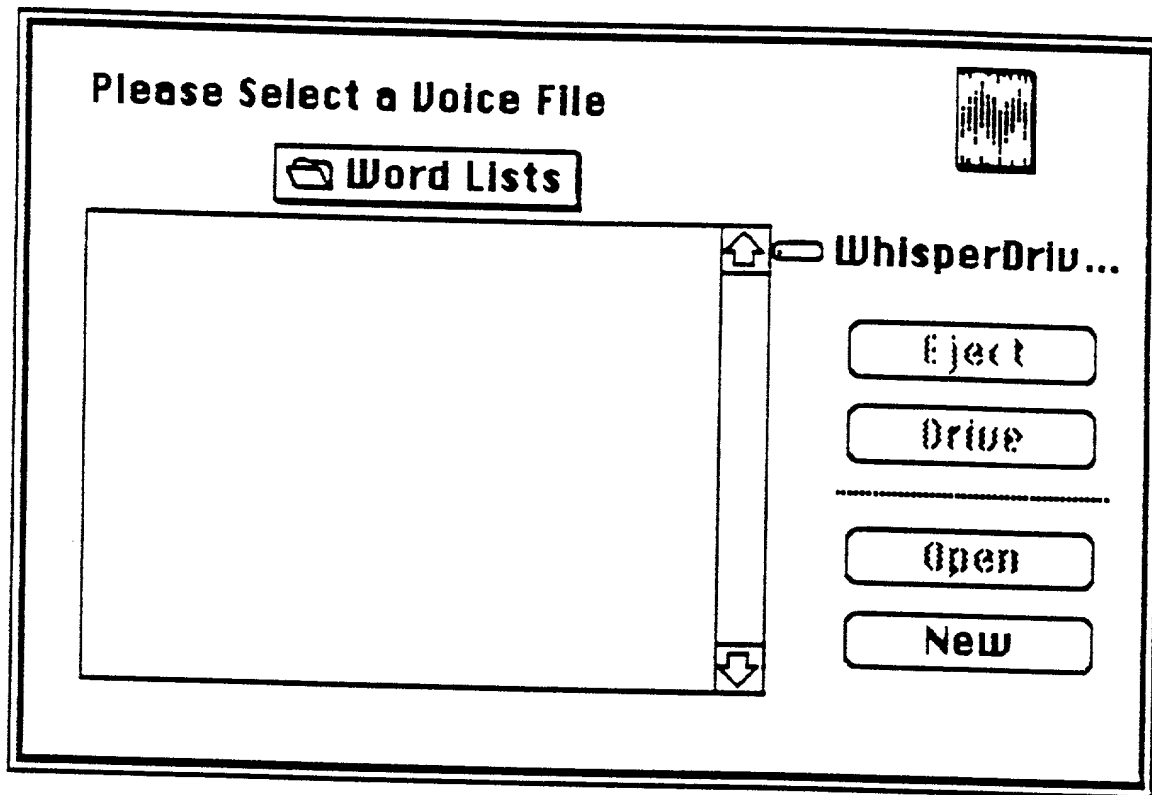


FIGURE 36

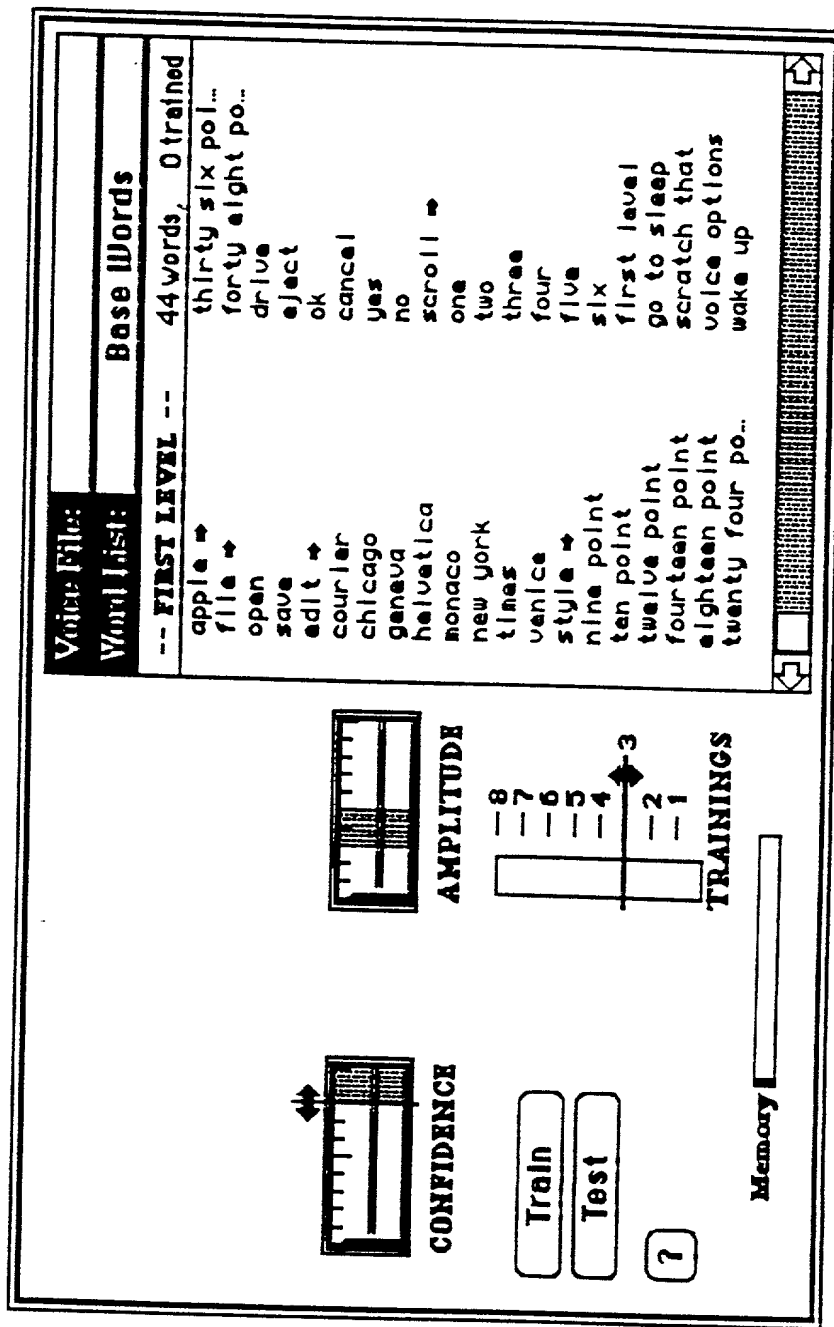


FIGURE 37

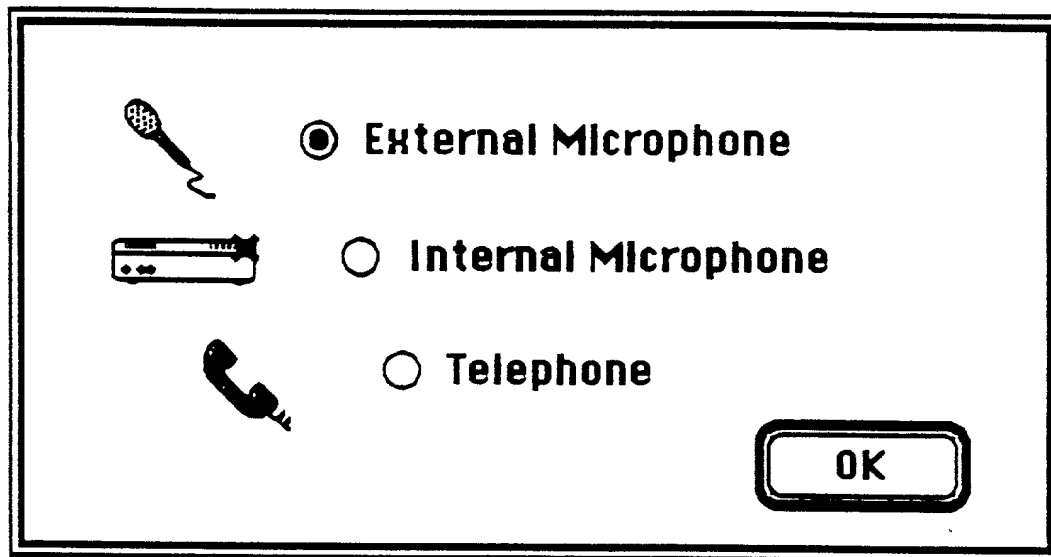


FIGURE 38



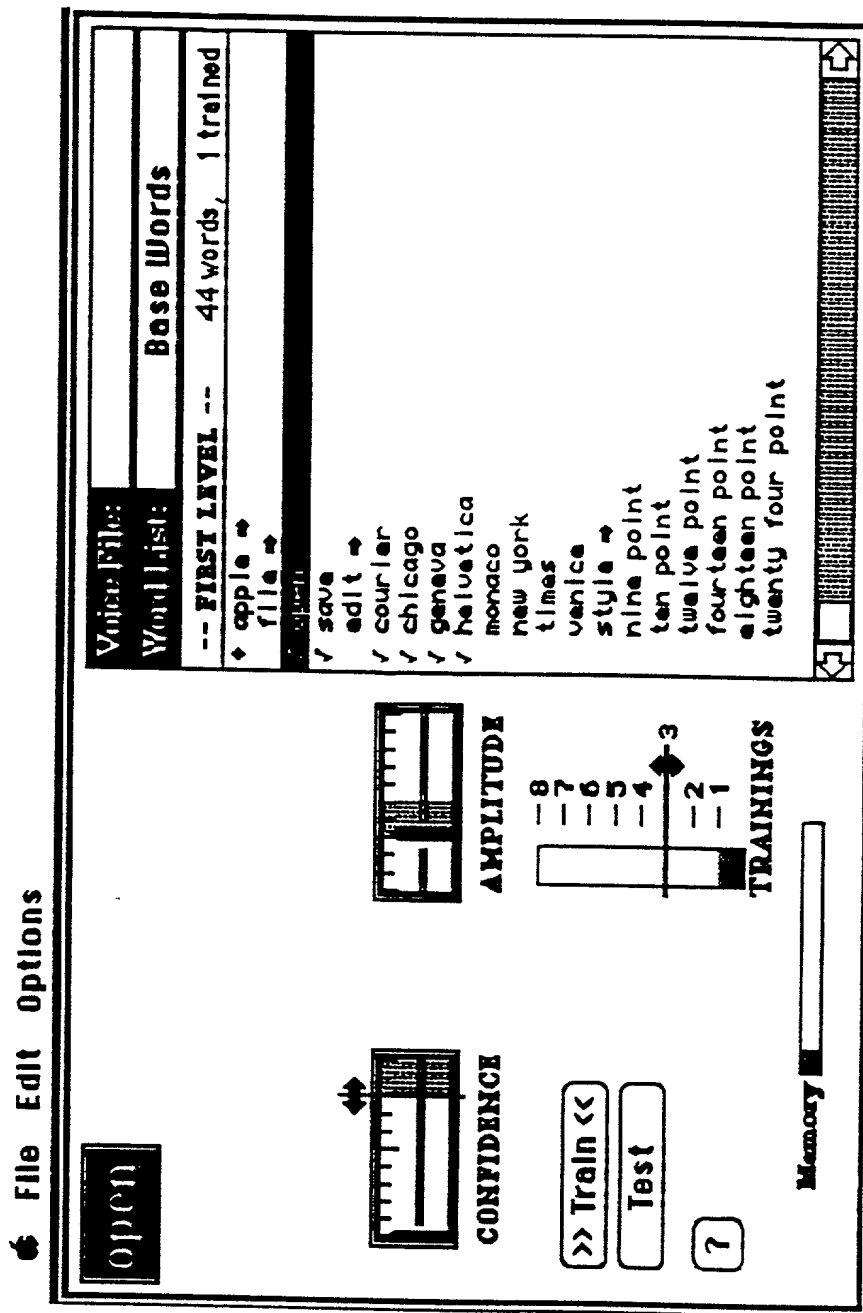


FIGURE 40

09783733 0440  
T04T00 5248260

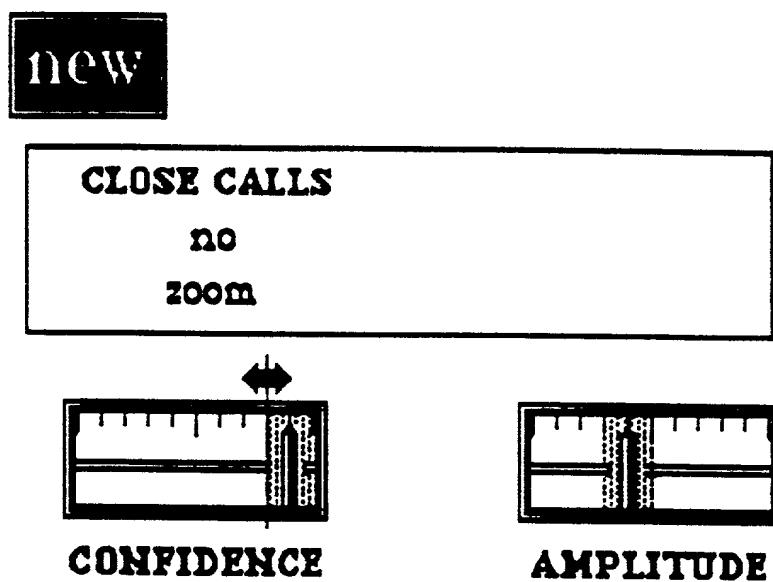


FIGURE 41

FinderWord List

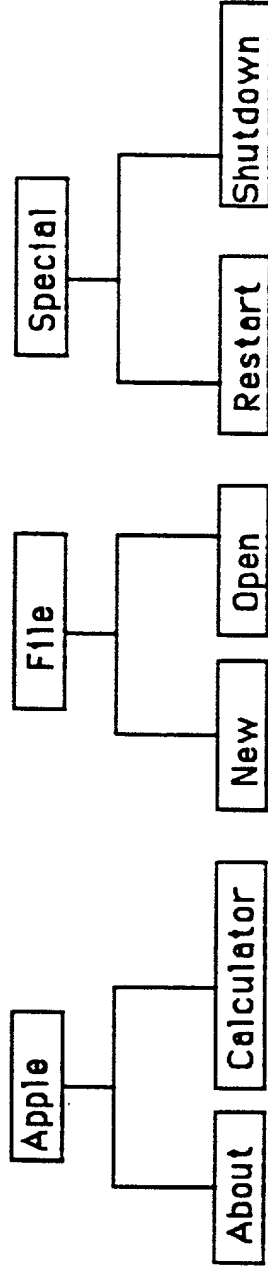


FIGURE 42



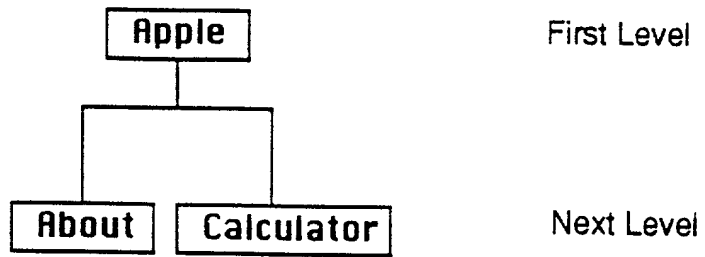


FIGURE 43

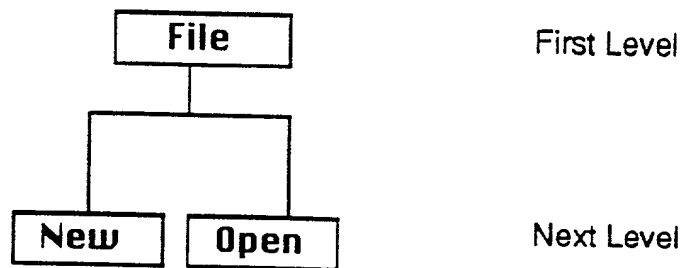
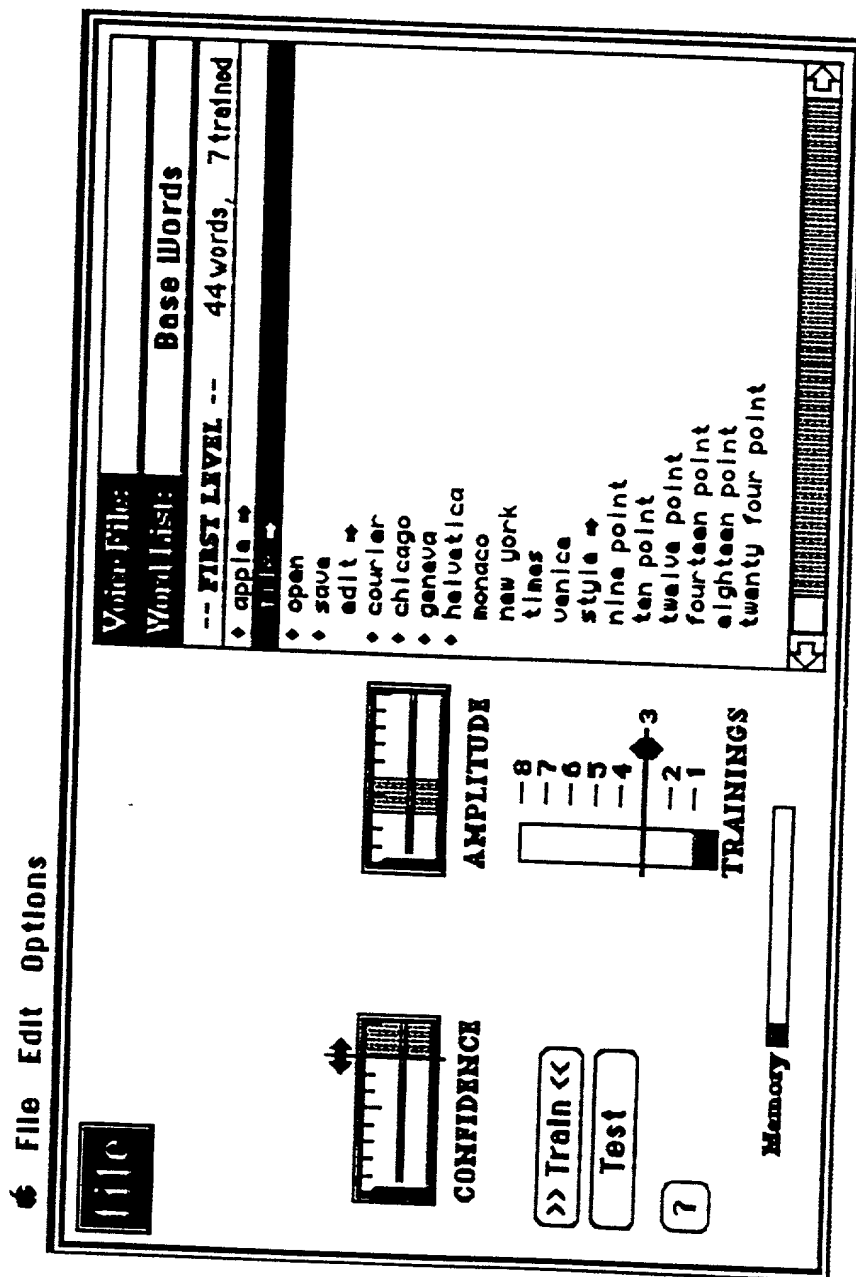


FIGURE 44



**FIGURE 45**

Voice File:	
Word List:	<b>Base Words</b>
<b>file</b>	<b>14 words, 6 trained</b>
<ul style="list-style-type: none"><li>new</li><li>open</li><li>close</li><li>save</li><li>save as</li><li>page setup</li><li>print</li><li>quit</li><li>◆ first level</li><li>◆ go to sleep</li><li>◆ scratch that</li><li>◆ voice options</li><li>◆ wake up</li><li>◆ word list</li></ul>	

FIGURE 46

Click in this section  
To go up a level

<b>Voice File:</b>	
<b>Word List:</b>	<b>Base Words</b>
<b>file</b>	14 words, 14 trained
◆ save	
◆ save as →	
◆ new	
◆ open	

FIGURE 47

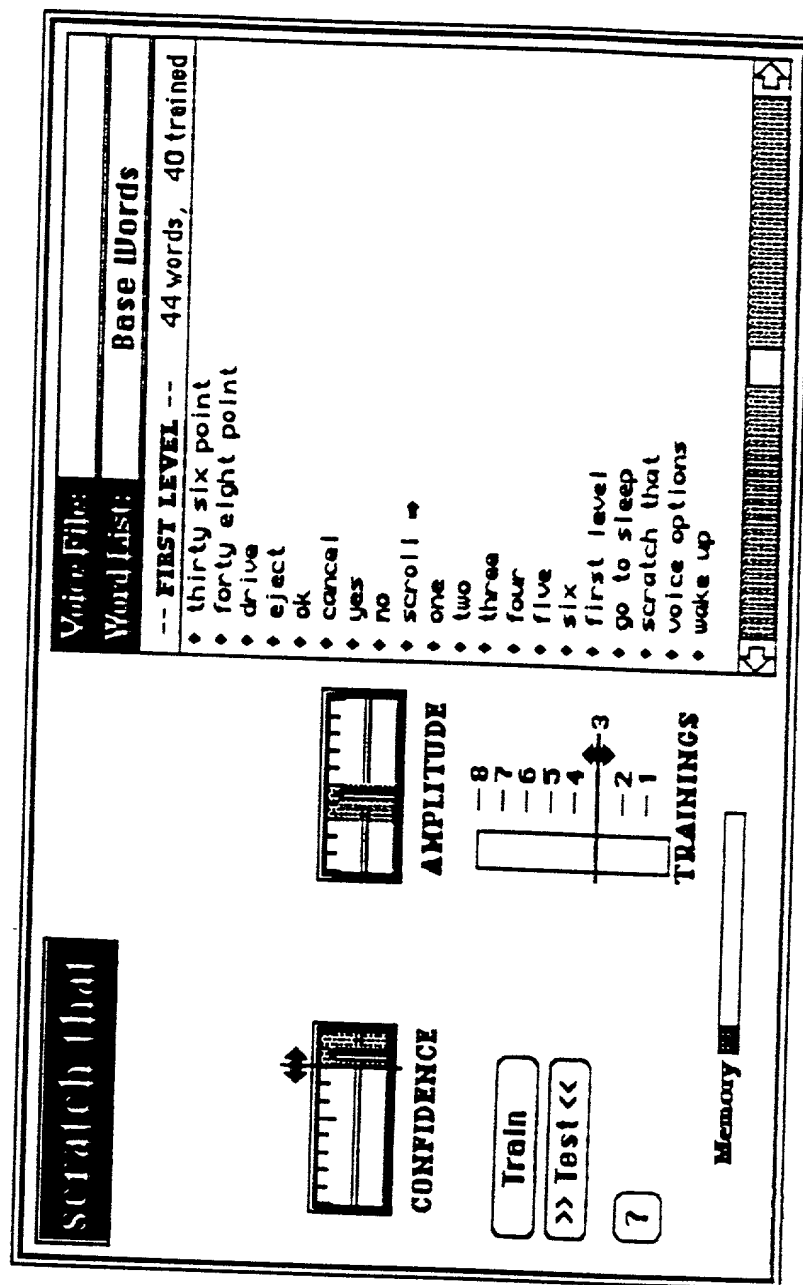


FIGURE 48

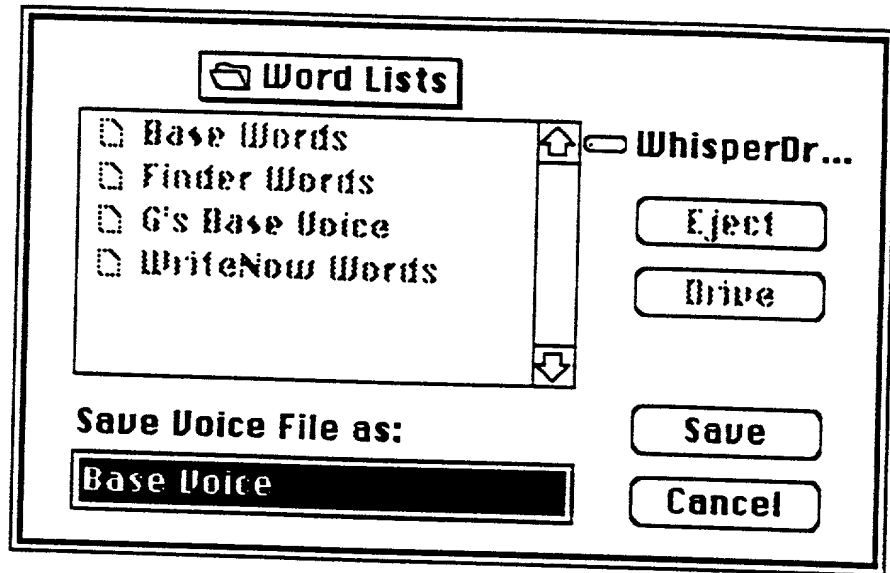


FIGURE 49

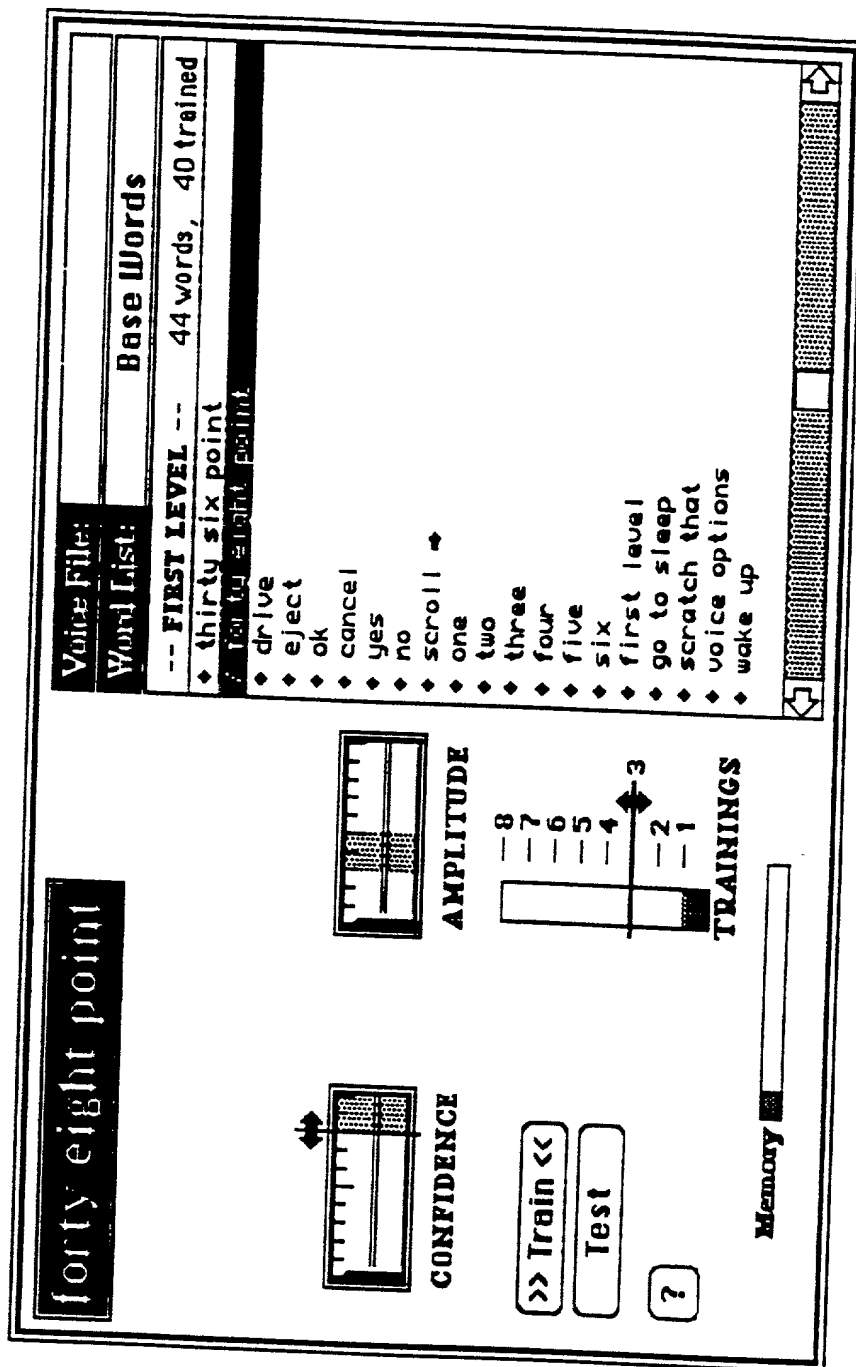


FIGURE 50

File Edit Options

Voice File: G's Base Voice	
Word List: Finder Words	
-- FIRST LEVEL -- 37 words, 21 trained	
<div> <div>CONFIDENCE</div> </div> <div> <div>AMPLITUDE</div> </div>	<div> <div>Train</div> <div>Test</div> <div>?</div> </div> <div> <div>ok</div> <div>cancel</div> <div>yes</div> <div>no</div> <div>page down</div> <div>page left</div> <div>page right</div> <div>page up</div> <div>double click</div> <div>click</div> <div>zoom</div> <div>grow box</div> <div>mousedown</div> <div>mouseup</div> <div>close window</div> <div>next window</div> <div>shiftkey down</div> <div>shiftkey up</div> <div>window</div> <div>screen</div> </div>
<div>Memory</div> <div>TRAININGS</div> <div>8</div> <div>7</div> <div>6</div> <div>5</div> <div>4</div> <div>3</div> <div>2</div> <div>1</div>	

FIGURE 51



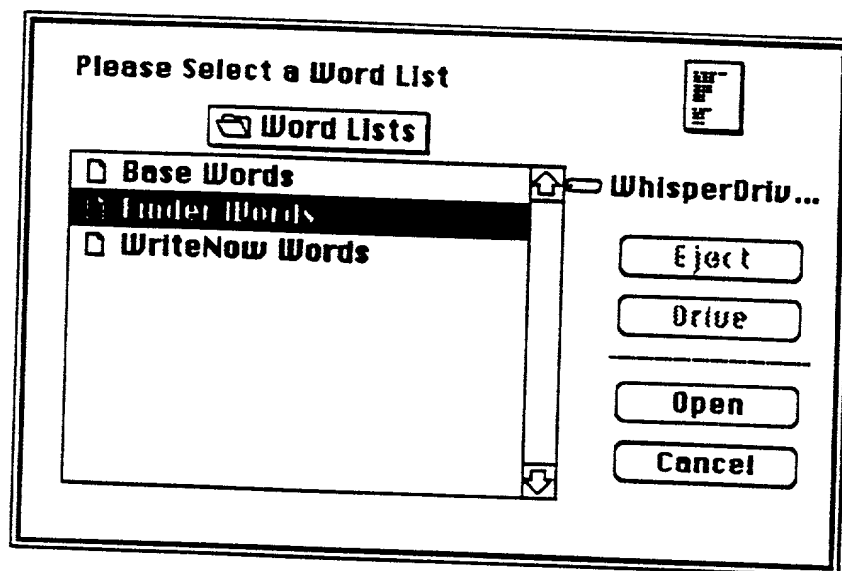


FIGURE 52

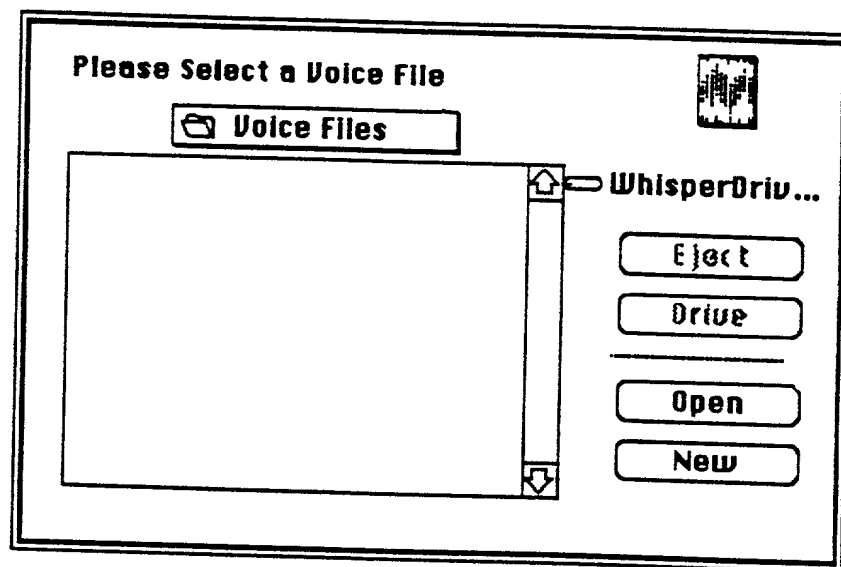




FIGURE 53



 ☒ External Microphone

 ☐ Internal Microphone


 ☐ Telephone

FIGURE 55



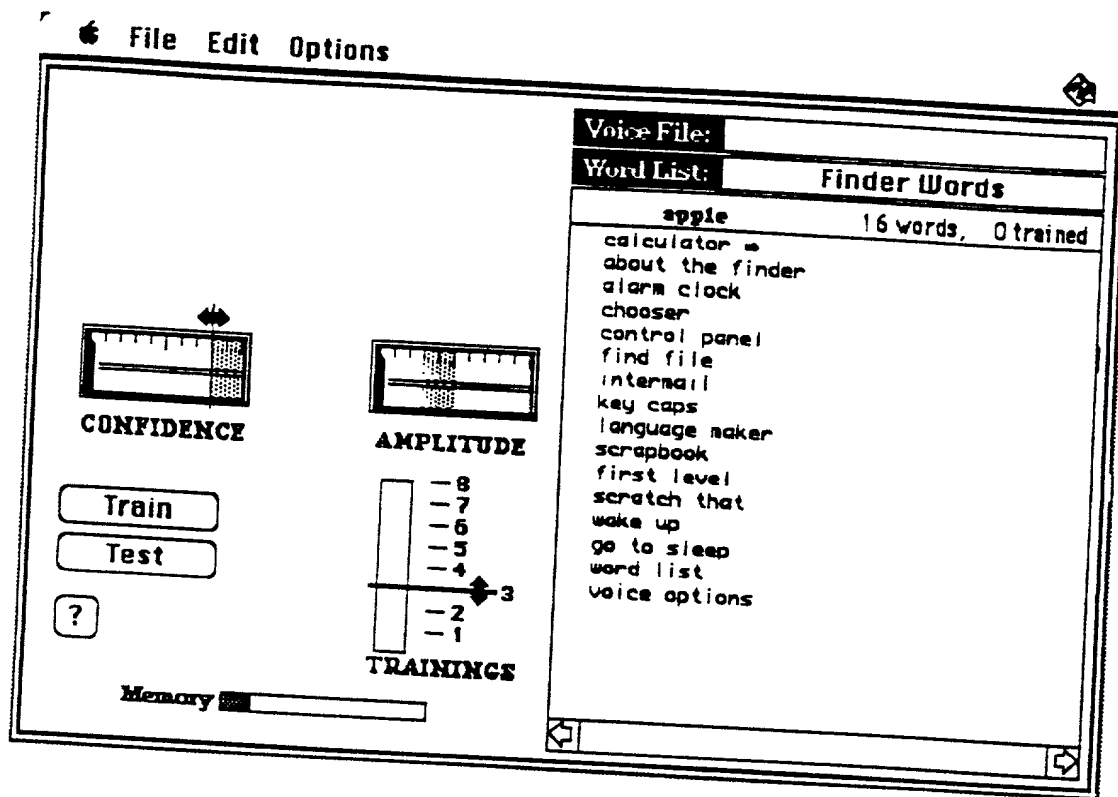
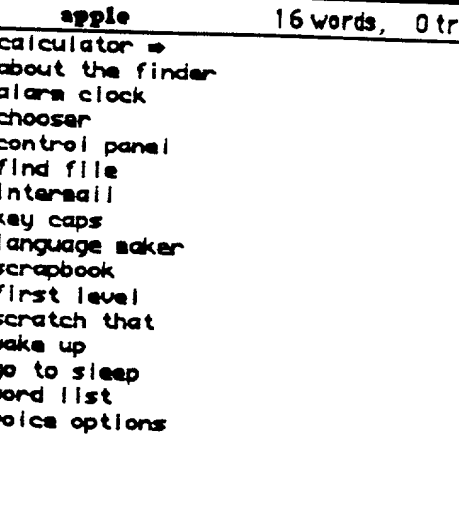


FIGURE 57



Word List: **Finder Words**

apple 16 words, 0 trained

- calculator
- about the finder
- alarm clock
- chooser
- control panel
- find file
- Internet
- key caps
- language maker
- scrapbook
- first level
- scratch that
- wake up
- go to sleep
- word list
- voice options

**FIGURE 58**

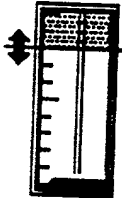
Word List:	Finder Words
-- FIRST LEVEL --	37 words, 0 trained
ok	launch ➡
cancel	scroll ➡
yes	go ➡
no	drag ➡

FIGURE 59




File Edit Options

**CONFIDENCE**



**AMPLITUDE**



**Train**

**Test**

**?**

**Memory**

**Word List:**

-- ALL LEVELS --

ok  
cancel  
yes  
no  
page down  
page left  
page right  
page up  
double click  
click  
zoom  
grow box  
mousedown  
mouseup  
close window  
next window  
shiftkey down  
shiftkey up  
top  
top left

**Finder Words**

147 words, 0 trained

top right  
bottom  
bottom left  
bottom right  
right  
left  
center  
window  
screen  
trash  
menu  
disk 1  
disk 2  
launch  
hypercard  
macpaint  
macwrite  
up  
down  
halt

FIGURE 60

scroll ➡  
go ➡  
move ➡  
spelling ➡  
apple ➡  
file ➡  
edit ➡  
view ➡  
special ➡  
first level

FIGURE 61

Click in this top  
section to move up  
a level

Word List:	Finder Words
apple	16 words, 0 trained
calculator ➡	
about the finder	
alarm clock	

FIGURE 62

0979325-03404  
T04T20"522E8260

<b>Voice File:</b>	<b>G's Finder Voice</b>
<b>Word List:</b>	<b>Finder Words</b>
<b>-- FIRST LEVEL --</b>	
37 words, 4 trained	
♦ ok	♦ launch ➡
♦ cancel	♦ scroll ➡

FIGURE 64

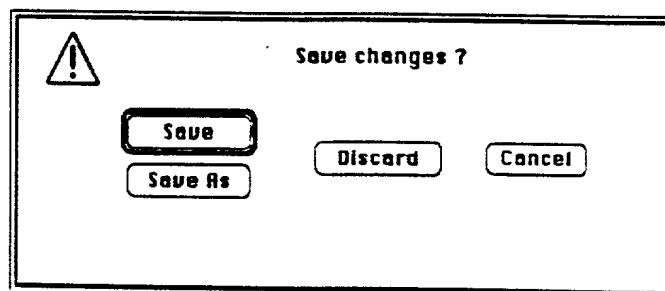


FIGURE 63

Word List + Voice File



*Say a Word From the  
Word List*

Voice Control



**VOICE RECOGNITION**

FIGURE 65

🍏 File Edit View Special

FIGURE 66

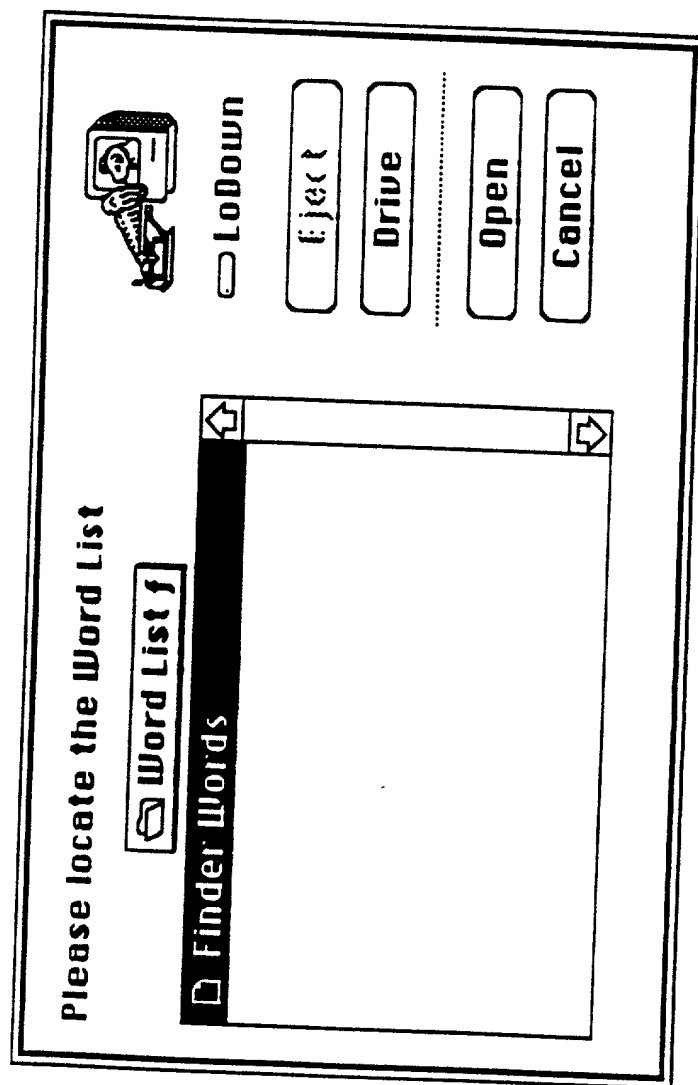


FIGURE 67

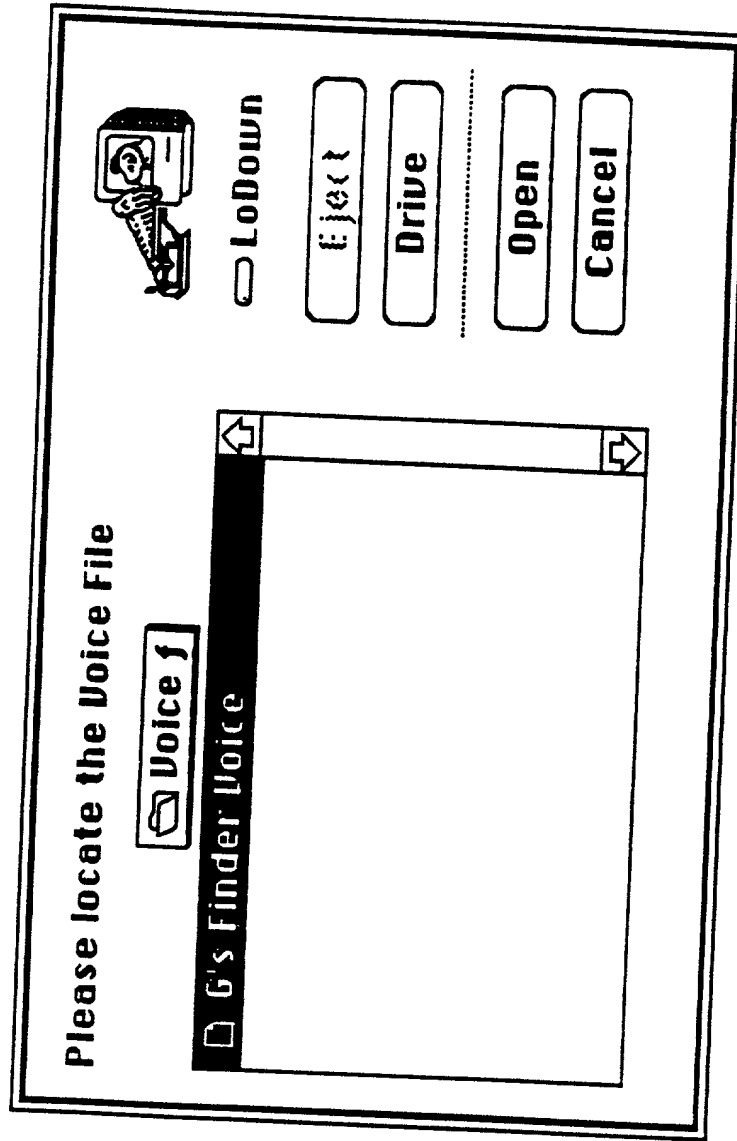


FIGURE 68

FIGURE 69

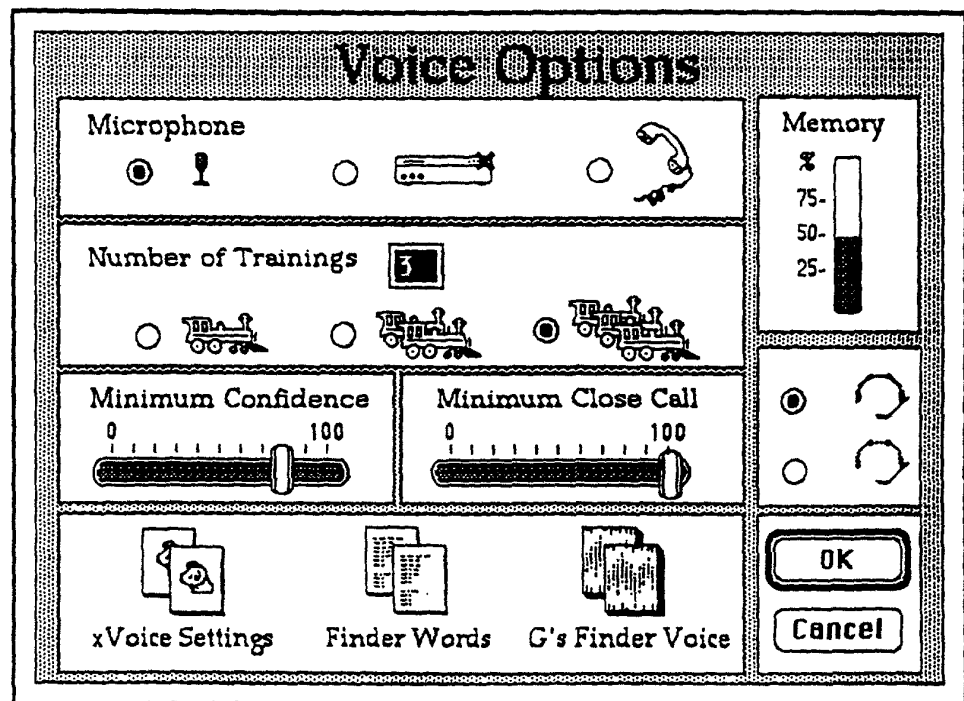


FIGURE 70

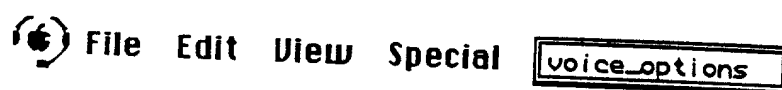


FIGURE 71

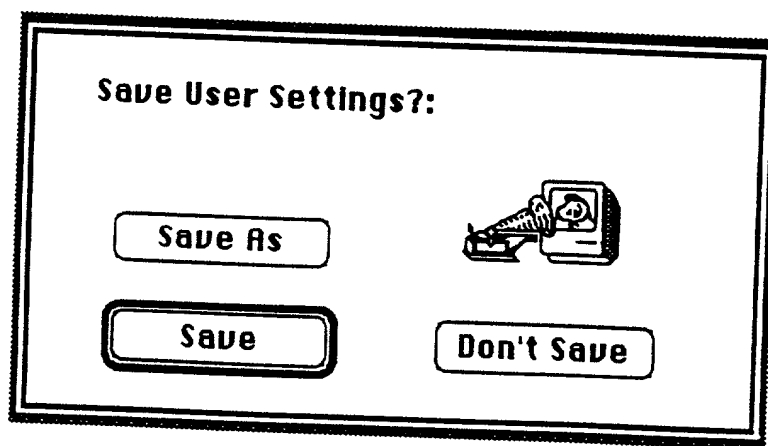


FIGURE 72



Please enter the  
new User Name:




FIGURE 73

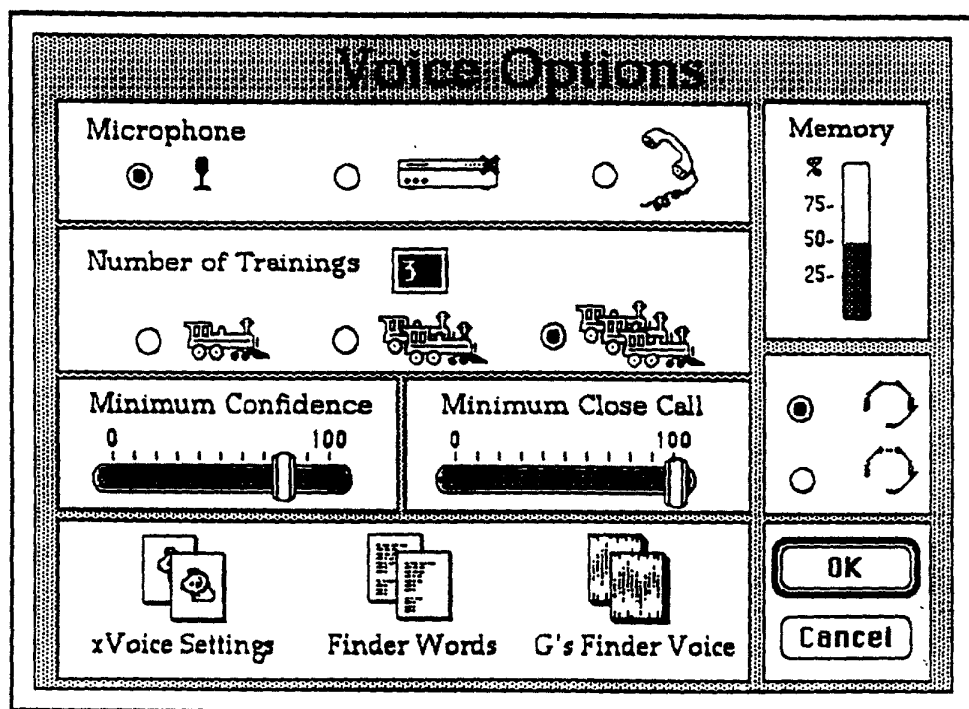


FIGURE 74

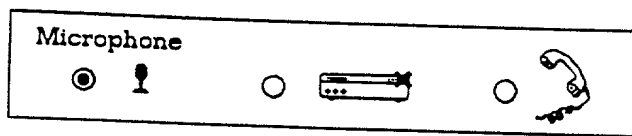


FIGURE 75

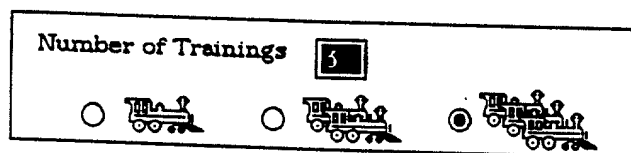


FIGURE 76

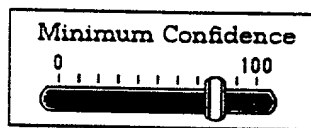


FIGURE 77

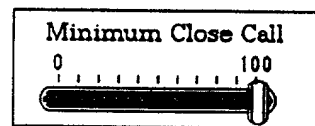


FIGURE 78

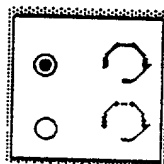


FIGURE 79

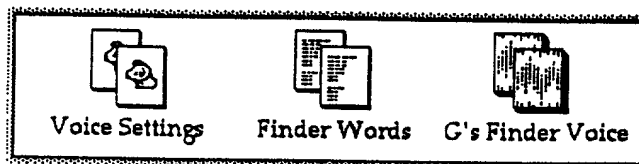


FIGURE 80

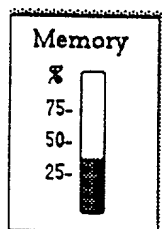


FIGURE 81

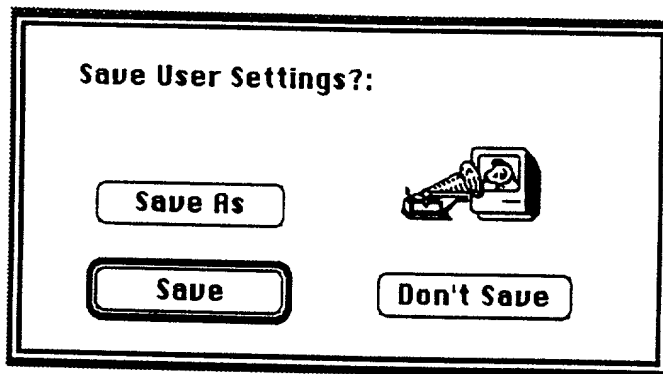


FIGURE 82

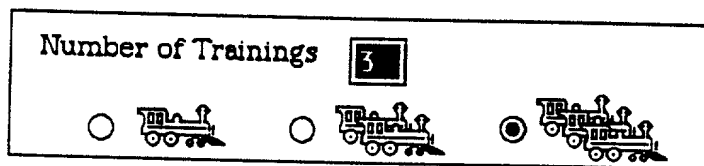


FIGURE 83

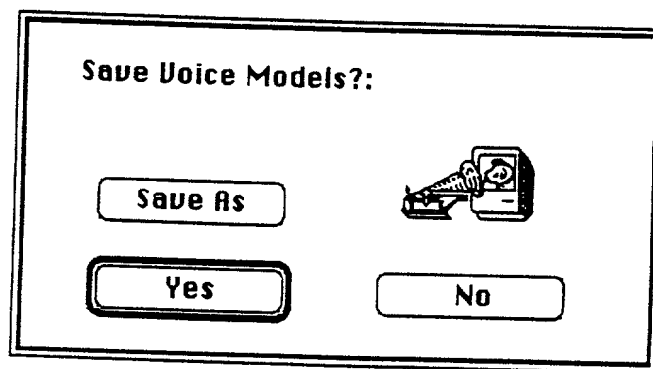
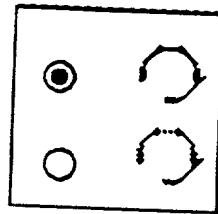
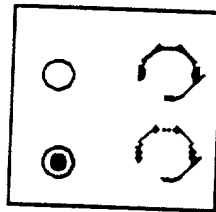


FIGURE 84



**FIGURE 85**



**FIGURE 86**



NO Word List



**NO Voice File**

FIGURE 87

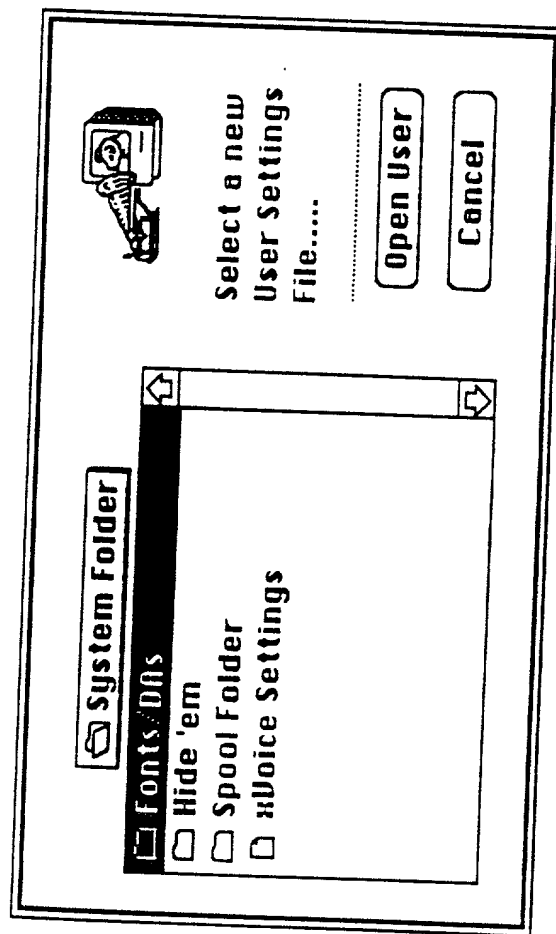


FIGURE 88

